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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 11th April 1998

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पेटेंट कार्यालय

एकस्थ तथा अभिकल्प

कलकत्ता, दिनांक 11 अप्रैल 1998

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रवर्तित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (प.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
एनेक्स नं. 401 से 105, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
विंग "सी", (सी-4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पांडिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिकाय
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
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तार पता - "पेटेंटिक"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

APPLICATION FOR THE PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dated shown in the crecent bracket are the dated claimed under section 135, under Patent Act, 1970.

20-02-1998

274/Cal/98 Swagelok Marketing Co., "Improved hygienic fitting and thermal expansion area for gasket. (Convention No. 60/038,593 on 24-02-1997 in U.S.A.).

275/Cal/98 Mitsuba Corporation, "A starter for an internal combustion engine". (Convention No. 09-53188 on 7-3-97 in Japan).

276/Cal/97 Siemens Aktiengesellschaft, "ATM-Communication system for switching of internet-data packets". (Convention No. 19707061.2 on 21-02-97 in Germany).

277/Cal/98 Siemens Aktiengesellschaft, "Method and apparatus for coating a metal strip". (Convention No. 19707981.4 on 27-2-97 in Germany).

278/Cal/98 Siemens Aktiengesellschaft, "Turbine Casing". (Convention No. 19708273.4 on 28-2-97 in Germany).

279/Cal/98 Siemens Aktiengesellschaft, "Apparatus for measuring the tensile stress distribution in a metal strip". (Convention No. 19707691.2 on 26-2-97 & 19803260.9 on 29-1-98 in Germany).

280/Cal/98 Siemens Aktiengesellschaft, "Apparatus and method for casting strips made of metal, in particular steel, in twinroll strip-casting machines". (Convention No. 19708276.9 on 28-2-97 in Germany).

281/Cal/98 Clariant GMBH, "Cellulose ethers containing 2 propenyl groups and use thereof as protective colloids in polymerizations". (Convention No. 19708531.8 on 3-3-97 in Germany).

282/Cal/98 Wool Development International Ltd., "Textile Treatment". (Convention No, 9704386.3 on 3-3-97 in U.K.).

283/Cal/98 Johnson & Johnson Medical, Inc., "A multi-element surgical drape".

284/Cal/98 Dipak Guha, "A cold lamination process.

23-02-1998

285/Cal/98 Taco Bell Corp., "Restaurant food preparation line". (Convention No. 60/038,653 on 21-2-97 in USSN).

286/Cal/98 Glaxo Group Ltd., "Reverse hydroxamate derivatives as matrix metalloprotease inhibitors, metalloprotease inhibitors, and TNF alpha inhibitors". (Convention No. 60/039112 on 26-2-97 in U.S.A.).

287/Cal/98 Bromine Compounds Ltd., "Process for the purification of polycarboxylic aromatic acids".

288/Cal/98 Zimmer Aktiengesellschaft, "Process for processing polymer blends into filaments". (Convention No. 19707447.2 on 25-2-97 in Germany).

289/Cal/98 Degussa Aktiengesellschaft, "Process for preparing a free-flowing animal feed supplement based on a methionine salt and the granular material obtainable therefrom". (Convention No. 197 07 380.8 on 25-2-97 in DE).

290/Cal/98 Samsung Electronics Co. Ltd., "Optical part packaging method and collimator assembly method". (Conventon No. 5510/1997 on 24-2-97 in Korea).

291/Cal/98 Sumitomo Chemical Co., Ltd., "Method for separating ammonium sulfate and ammonium bisulfate from each other and process for producing 2-hydroxy-4-methylthiobutanoic acid utilizing the method". (Convention No. 09-049029 on 4-3-97 & 09-248592 on 12-9-97 in Japan).

292/Cal/98 Siemens Aktiengesellschaft, "Method and apparatus for coating a metal strip". (Convention No. 19707980.6 on 27-2-97 in Germany).

293/Cal/98 Siemens Aktiengesellschaft, "Smart card module and smart card comprising the latter". (Convention No. 19708617.9 on 3-3-97 in Germany).

294/Cal/98 Eli Lilly and Co., "Naphthyl compound". (Convention No. 08/395,950 on 28-2-95 in U.S.A.).

24-02-1998

295/Cal/98 Jaypee Engg. & Hydraulic Equipment Co. (P) Ltd., "Hydrostatic vibratory road roller".

296/Cal/98 Philips Electronics N. V., "Digital transmission system having a tansmitter and a receiver, for transmitting a wide and digital audio signal". (Divided out of No. 217/Cal/95 antidated to 1-3-95).

297/Cal/98 The Mead Corporation, "Panel interlocking means for cartons". (Convention No. 9704235.2 on 28-2-97 in U.K.).

298/Cal/98 Columbian Chemicals Co., "A rechargeable battery with an improved anode". (Convention No. 60/039,812 on 26-2-97 & 08/979,533 on 26-11-97 in U.S.A.).

299/Cal/98 Kerr-Mcgee Chemical LLC., "Improved pigment process for durable pigments". (Convention No. 08/807,732 on 27-2-97 in U.S.A.).

300/Cal/98 Separation Technologies, Inc., "Method and apparatus for treating flyash". (Convention No. 08/805,157 on 24-2-97 in U.S.A.).

301/Cal/98 Samsung Electronics Co. Ltd., "Optical ferrule sleeve fabricating method". (Convention No. 5511/1997 on 24-2-97 in Korea).

302/Cal/98 Deere & Co., "Shield structure for a tractor with a rear mounted harvester". (Convention No. 08/808,146 on 28-2-97 in U.S.A.).

303/Cal/98 Trutschler GmbH & Co., "Fixture on a card with a feed roller and at least one taker-in". (Convention No. 19708261.0 on 28-2-97 in Germany).

304/Cal/98 Hitachi Construction Machinery Co. Ltd., "Hydraulic control system for construction machine". (Convention No. HEI 9-53262 on 7-3-97 in Japan).

305/Cal/98 Krupp Werner & Peleiderer GmbH, "Method of carrying out continuous preparation process on tightly meshing extruders rotating in the same sense".

306/Cal/98 Int Labs Inc., "Technique to phase lock a transceiving transmitting, or receiving local oscillator to an incoming carrier signal". (Convention No. 60/039,833 on 3-3-97 & 08/956,244 on 22-10-97 in U.S.A.).

307/Cal/98 T. Mukherjee, L. M. Chatterjee, A. K. Das, R. K. Pradhan, and the Tata Iron & Steel Co. Ltd., "A process of making ilmenite sand briquettes for use in a blast furnace".

25-02-1998

308/Cal/98 Dr. Tapan Kr. Pal; Dr. Anup Ghosh; Dr. Gautam Kr. Dey. "Controlled release intrauterine contraceptive device".

309/Cal/98 Philips Electronics N. V., "Digital transmission system having a transmitter and a receiver, for transmitting a wide band digital audio signal". (Divided out of No. 218/Cal/95 dated 1-3-95).

310/Cal/98 Centro Sviluppo Materiali S.p.a., "Method for pickling products in a metal alloy in absence of nitric acid and for recovering exhausted solutions deriving from pickling and apparatus thereof". (Convention No. RM97A000102 on 25-2-97 in Italy).

311/Cal/98 Kalpana Polytec India Ltd., "Process for preparing material to be used in industry such as shoe Industry and particularly utilizing agricultural waste".

312/Cal/98 Merck Patent Gesellschaft Mit Beschrankter Haftung, "Oxazolidinones". (Convention No. 19707628.9 on 26-2-97 in Germany).

313/Cal/98 Michael Georgieff, "Medicinal preparation containing a lipophilic inert gas". (Convention No. 19709704.9 on 10-3-97 in Germany).

314/Cal/98 Michael Georgieff, "Device for controlled anaesthesia, analgesia and/or sedation". (Convention No. 19709704.9 on 10-3-97 in Germany).

26-02-1998

315/Cal/98 Glaxo Group Ltd., "Pyrazine compounds". (Convention No. 9704275.8 on 1-3-97; 9708183.0 on 23-4-97 and in United Kingdom).

316/Cal/98 Coalcorp Pty. Ltd., "Coal additive". (Convention No. P05343 on 26-2-97 in Australia).

317/Cal/98 Merck Patent Gesellschaft Mit Beschranktor Haftung, "Multilayer interference pigment with an absorbing middle layer". (Convention No. 19707805.2 on 27-2-97 in Germany).

318/Cal/98 Merck Patent Gesellschaft Mit Beschrankter Haftung, "Multilayer interference pigment with an transparent middle layer". (Convention No. 19707806.0 on 27-2-97 in Germany).

319/Cal/98 Brose Fahrzeugteile GmbH & Co. KG., "Motor gear unit for adjustment devices in motor vehicles". (Convention No. 19707850.8 on 27-2-97 in Germany).

320/Cal/98 Krupp Presta AG, "Electrical power assisted steering arrangement".

321/Cal/98 Sakti Ranjan Misra, "A novel method for the packing of bitumen".

27-02-1998

322/Cal/98 Society of Hill Resource Management, "Chakriya vikas Pranali".

323/Cal/98 1. Engelhard Corporation; 2. The United States of America "An laqueous dispersion of a particulate solid having a hydrophobic outer surface and films produced thereby". (Convention No. 08/812.301 on 5-3-97 in U.S.A.).

324/Cal/98 1. Engelhard Corporation; 2. The United States of America, "Treated horticultural substrates". (Convention No. 08/812,301 on 5-3-97 in U.S.A.).

325/Cal/98 1. Engelhard Corporation, 2. The United States States of Americda, "Method for providing enhanced photosynthesis". (Convention No. 08/812,301 on 5-3-97 in U.S.A.).

326/Cal/98 1. Engelhard Corporation, 2. The United States of America, "Method for protecting surfaces from arthropod infestation". (Convention No. 08/812,301 on 5-3-97 in U.S.A.).

327/Cal/98 Hitachi Ltd., "Pickling plant and method of controlling the same". (Convention No. 09-047570 on 3-3-97 in Japan).

328/Cal/98 Loctite Corporation, "Radiation-Curable, Cyanoacrylate-containing compositions". (Convention No. 08/805,193 on 27-2-97 in U.S.A.).

329/Cal/98 John Lysaght (Australia) Ltd., "A composition for treatment of an aluminium or aluminium alloy surface to achieve high temperature corrosion resistance and to reduce discolouration of the surface". (Convention No. PL 6051 on 26-11-92 in Australia). (Divided out of No. 727/Cal/93 antidated to 25th November 1993).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on. Form-14 prescribed under the Patents Rules, **1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.**

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं । विरोध संबंधी लिखित वक्तव्य उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए ।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं ।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की अंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है । विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है ।

Cl. : 172 B 180971

Int. Cl. : D02 13/00.

HEATING APPARATUS FOR HEAT SETTING A SYNTHETIC YARN.

Applicant : TEIJIN SEIKI CO LTD., OF 9-1 EDOBORI 1-CHOME, NISHI-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

Inventors :
1. SHUNZO NAITO.
2. HIROSHI MORISAKI.

Application No. 1/Cal/1994 filed on 3rd January 1994.

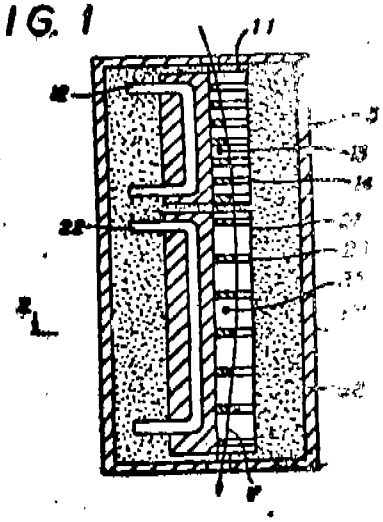
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A heating appaatus for heat setting a synthetic yarn (Y) continuously running therethrough in a substantially non-contacting condition, the said heating apparatus (3) comprises a divided heating plates (11, 21) provided with sheath heaters (12, 22) buried within the said heating plates (11, 21) and temperature sensors (13, 23) and yarn guides (14 24) are disposed within the grooves (11a, 21a) of the said heating plates which is a high corrosion resistance copper alloy, the copper content of which is 60% to 90% and the

aluminium content of which is 3% to 11% and having heat conductivity equal to or more than 0.1 Cal/cm.s. °C, and the divided heating plates (11. 21) can each be set for different temperatures.

FIG. 1



(Compl. Specn. 18 pages; Drgs. 3 sheets.)

Cl. : 32 E 180972

Int. Cl. : C08L 1/26, 3/04.

WATER-DISPERSIBLE PARTICULATE POLYMERIC COMPOSITION.

Applicant : PHILIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, U.S.A.

Inventor : PATEL BHARATKUMAR BALUBHAI.

Application No. : 2/Cal/94, filed on 3rd January, 1994.

Appropriate Office for Oppsition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

16 Claims

A water-dispersible particulate polymeric composition comprising a water-soluble particulate polymer for example, of the type such as herein described selected from the Group consisting of

(a) cellulose ethers;

(b) gums;

(c) starchs;

(d) synthetic water-soluble polymers and;

(e) biopolysaccharides;

and a finely divided particulate dispersant which comprises at least one water-insoluble or sparingly soluble fatty acid or fatty acid salt thereof for example, of the type such as herein described, which is admixed with said water-soluble particulate polymer and used in an amount in the range of about 0.1 to about 30 weight percent, based on the total weight percentage of the water-soluble particulate polymer and finely divided, particulate dispersant, which amount is effective to improve the dispersibility of said water-soluble particulate polymer, the particles of said water-soluble polymer having dispersed thereon said finely divided particulate dispersant, said dispersant having a particulate size in the range of about 0.0001 to about 250 microns and a solubility in water of up to about 0.3 g/L at 20°C, and said particulate polymer having a particulate size in the range of about 1 to 1,000 microns.

(Compl. Specns. : 22 pages; Drgns. : 3 Sheets)

Cl. : 155F2 180973

Int. Cl. : B05C 3/02, C09H 9/00, 11/00.

METHOD AND APPARATUS FOR DIPPING TABLETS INTO A COATING MATERIAL.

Applicant : McNEIL-PPC, INC., OF VAN LIEW AVENUE, MILLTOWN, NJ 08850, U.S.A.

Inventor : NORBERT I. BERTA.

Application No. : 13/Cal/1994, filed on 10th January, 1994.

Appropriate Office for Oppsition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

26 Claims

Appratus for applying a coating to a tablet comprising :

One or more plate means (50) having a plurality of tablet holder means (30) for retaining the product;

Feeder-loader means disposed above of said plate means for loading tablets onto the tablet holders :

guide means provided between said feeder-loader means and a first vacuum chamber means for transporting said one or more plate means to one or more processing stations;

said first vacuum chamber means adapted to engage at least one plate means, said first vacuum chamber means being located at a dipping station of said one or more processing stations;

grabber means disposed between said guide means and vacuum chamber means for transferring one of said or more plate means from said guide means to said vacuum chamber means at said dipping station;

a first set of a plurality of vacuum tubes disposed within said first vacuum chamber (60) means and connected to a vacuum source, said first set of a plurality of vacuum tubes being adapted to extend within said plurality of tablet holders of a first of said at least one plate means transferred to said vacuum chamber means;

vacuum tube actuator means (102) for raising and lowering said first set of a plurality of vacuum tubes (100) relative to the plurality of tablet holders of said first plate means;

said dipping station having a dip tank (20) means, for retaining a quantity of coating material; and

dipping station manipulating means for selectively rotating said vacuum chamber means having said first plate means engaged thereto and raising and lowering said vacuum chamber means having said first plate means engaged thereto, said first plate means being lowered such that at least a portion of the product is immersed in said coating material.

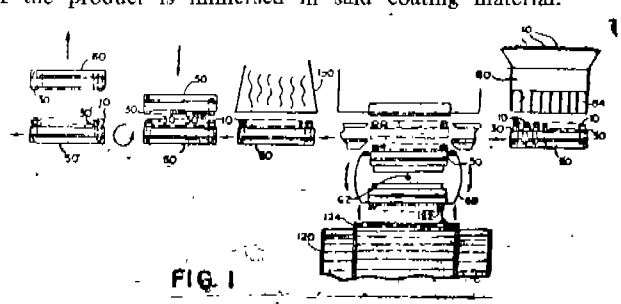


FIG. 1

(Compl. Specns. : 39 pages; Drgns. : 15 Sheets)

Cl. : 128 B. 180974

Int. Cl. : A 61 B 17/56, A 61 F 2/28.

A DYNAMIC COMPRESSION NAIL SET FOR ORTHOPAEDIC APPLICATIONS.

Applicant : DR. VIJAY KUMAR MISHRA OF BHARAT KUTIR, DR. SMISHRA ROAD, AT & P.O. PUSA, PIN-848 125, DISTT. SAMASTIPUR, BIHAR, INDIA.

Inventor : IDEM.

Application No. : 85/Cal/94, filed on 10-02-1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

14 Claims

A dynamic compression nail set for orthopaedic applications containing :

— a nail body (8) being an aseptic cylindrical metal rod having lower and upper ends, said upper end having a concentric groove (11) running along a part of the length of the rod, the top portion of the groove being threaded (9A) and an eye being a hole (9) provided on the rod and communicating with the concentric groove (11)

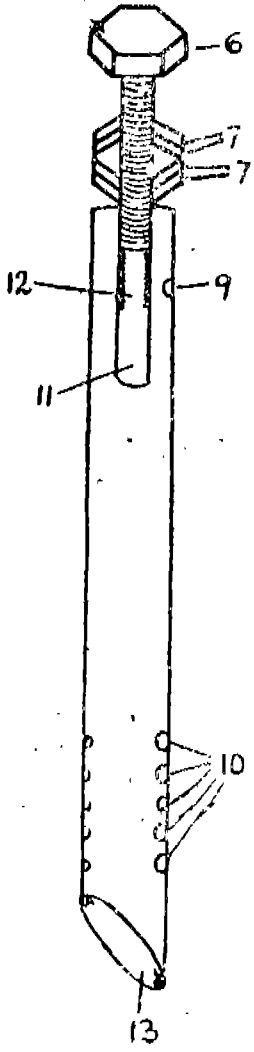
the lower end, being tapered and forming an angular cut portion (13) and having a plurality of diametric holes (10), a bolt (6) inserted in the threaded groove and a plurality of washer spring (7) provided between the bolt and the upper end of the nail body, each said washer spring being a circular cup like member having a hole at the centre corresponding to the diameter of the bolt (6) and adapted to be in contact with another said washer spring in face to face relation to provide a spring action

— a jig (A) and a jig connector (4) for facilitating the finding of location of holes in the nail after insertion of the nail during use wherein Jig connector connects the jig with the nail.

— an extractor (16) for extracting or inserting the nail.

— a socket wrench (18) and

— a socket wrench handle for tightening the bolt over the nail with the nut of the jig.



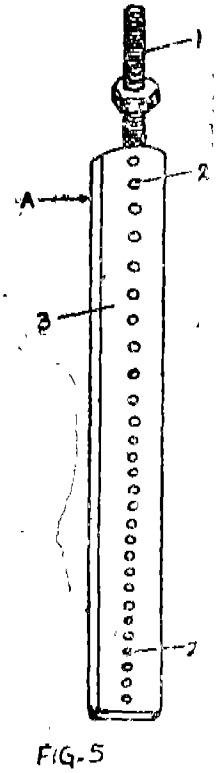


FIG-5

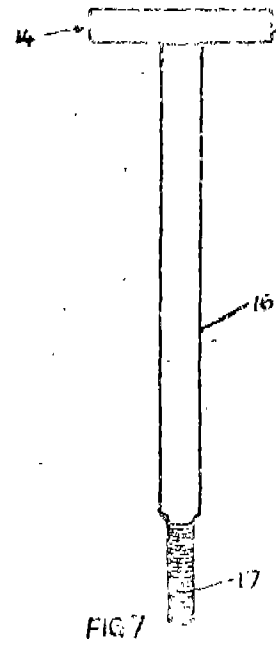


FIG 7

(Compl. Specns. : 15 pages; Drgns. : 03 Sheets)

Cl. : 155 C + Fl. 180975

Int. Cl. : C08J 5/18, D06N 3/18.
61

A FLEXIBLE PROTECTIVE AND WATERPROOFING MEMBRANE.

Applicant : MOSHE TE'ENI, OF 53A IR SHEMESH STREET, 69 086 TEL AVIV, ISRAEL.

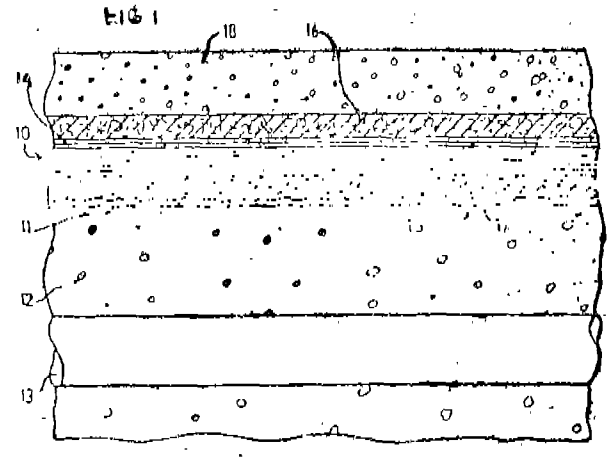
Inventor : MOSHE TE'ENI.

Application No. : 87/Cal/1994, filed on 10th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

10 Claims

A flexible protective and waterproofing membrane comprising at least a polymedic sheet, which membrane has opposite faces at least one of which has a surface area at least a part of which surface area is presented by a material defining an open textured surface region of the membrane such as to provide interconnecting voids within the membrane which voids are impregnated by a cementitious bonding material to allow bonding of the polymeric sheet to a substrate.



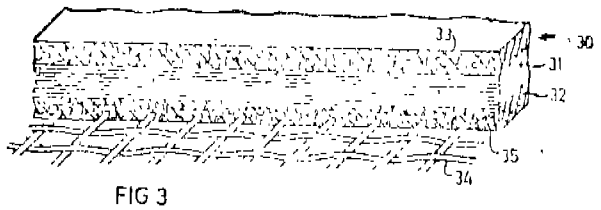


FIG 3

(Compl. Specns. : 19 pages; Drgns. : 3 Sheets)

Cl. : 99E ; 116 G 180976

Int. : Cl. : B 65 D 19/06.

A PALLET.

Applicant : CHOW PAK LIM, A MALAYSIAN CITIZEN, OF 151 JALAN KENANGA TAMAN UDAJAYA 68000 SELANGOR DARUL EHSAN, MALAYSIA.

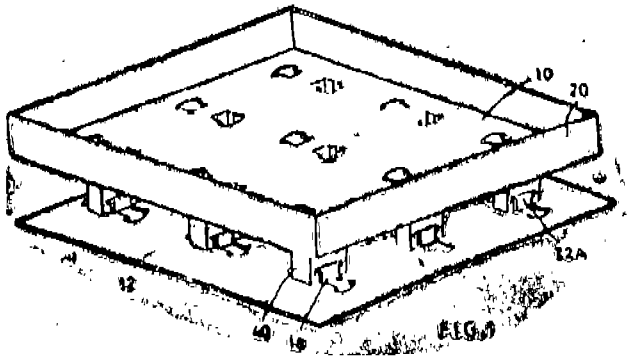
Inventor : CHOW PAK LIM.

Application No. : 211/Cal/94; filed on 28-03-1994.

Appropriate Ofiice for Opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

12 Claims

A pallet comprising a first sheet member (10) and a second sheet member (12), said sheet members (10, 12) having their planes substantially parallel, and a plurality of spacer elements (40) between the sheet members (10, 12), the sheet members (10, 12) and spacer elements (40) being held together by complementary locking means which comprise interengageable tongues (18) and slots (42) wherein the tongues (18) are integral with and hingedly attached to the sheet members (10, 12) and the slots (42) are formed in the spacer elements (40) and each tongue (18) comprises a body portion hingeldy attached to the sheet member and at least one flange portion (28) hingedly attached to said body portion and inserted through a slot (42) to retain the tongue (18) in the slot (42).



(Compl. Specns : 18 pages; Drgns. : 14 Sheets)

Cl. : 116 C 180977

Int. Cl. : B 65 G 23/44.

A VERTICAL CONVEYOR.

Applicant : COMPUTOWER TECHNOLOGIES CORP., A CORPORATION EXISTING UNDER THE LAWS OF THE STATE OF DELAFARE, UNITED STATES OF AMERICA OF 201 SOUTH BISCAYNE BOULEVARD SUITE 2950, MIAMI, FLORIDA 33131 UNITED STATES OF AMERICA.

Inventor : ROBERT DEAN LICHTI.

Application No. : 264/Cal/94, filed on 12 Apr. 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

11 Claims

A vertical conveyor comprising :

a frame having a first vertical frame section and a second vertical frome section spaced apart from, and means connecting said frame sections together, a plurality of load supports, each support having a first and second end and capable of holding a load to be conveyed around in a looped path. each support being movably mounted at the first and second ends respectively to the first and second frame sections such that as one support is being conveyed downwardly so that the supports pass one another at a predetermined spaced apart horizontal distance which defines a support spacing,

first and second conveying means mounted respectively to said first and second frame sections for respectively conveying a first and second end of said supports, wherein said first and second conveying means each comprises a looped compression chain supporting said supports,

a pickup drive chain comprising at least two strands and through-pins interconnecting the matched strands,

a plurality of pickup arms pivotally connected to said through-pins such that said pickup arms engage and drive said compression chain, said pickup arms comprising a two-piece substantially planar body having an upper head portion and lower tail portion, each portion having cut outs at mating ends to form an opening through which a respective through pin is received, said upper head portion and lower tail portion being removably mated to each other so as to enable ready disassembly of the pickup arms from the pickup drive chain, and

motor means for simultaneously driving said first and second pickup drive chains so that said pickup arms engage and drive said compression chain so as to move said load supports.

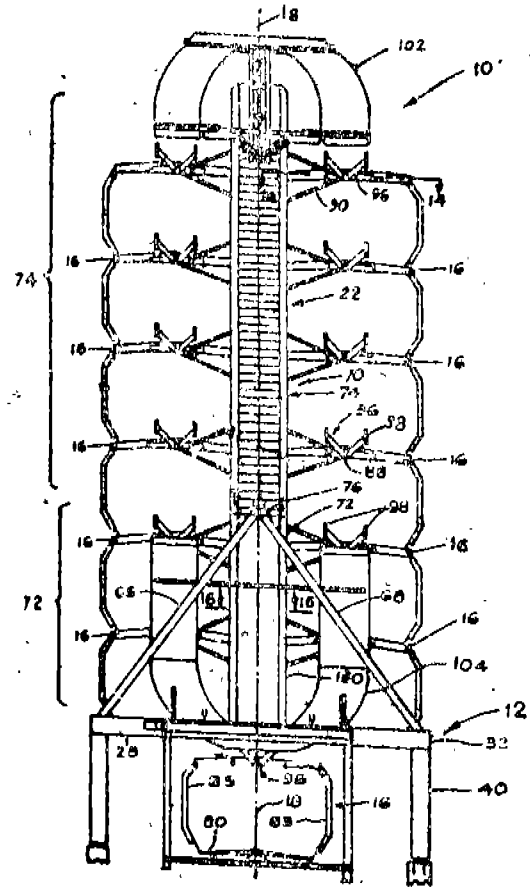


FIG. 1

(Compl. Specification : 27 Pages; Drgns : 04 Sheets)

Cl. : 130 D, H 180978

Int. Cl. : C 22 B 34/32

METHOD FOR THE PRODUCTION OF CHROMIUM METAL.

Applicant : DEV DUTT MOHANTY, JHANJIRIM MANGLA, TELENGA BAZAR, CUTTACK, 753 005, ORISSA, INDIA, AN INDIAN NATIONAL.

Inventor : IDEM.

Application No. 335/Cal/94; filed on 06-05-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A method for the production of chromium metal from sodium dichromate which comprises—

(a) heating a mixture of sodium dichromate granules and sulphur powder at a temperature of 200° to 300°C. to obtain a mixture of chromium oxide (Cr_2O_3) and sodium sulphate (Na_2SO_4);

(b) adding water to the mixture of chromium oxide and sodium sulphate of step (a) to the boiling temperature of water whereby the sodium sulphate is dissolved in water and removed by filtration, thereby leaving only chromium oxide (Cr_2O_3) powder which is dried;

(c) the chromium oxide of step (b) is subjected to aluminothermic reduction with aluminium powder and 4 to 7% by wt. of chromic acid at temperature of 2500° to 3000°C. With the further addition of sodium nitrate and lime to produce a mixture of chromium metal and alumina slag and finally separating chromium metal from the slag.

(Compl. Specification : 06 Pages; Drawings : Nil)

Cl. : 11 C 180979

Int. Cl. : A 01 K 39/01

POULTRY FEEDER.

Applicant : GRAIN SYSTEMS, INC., A CORPORATION INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF ILLINOIS STREET, P. O. BOX 20, ASSUMPTION, ILLINOIS 62510 UNITED STATES OF AMERICA.

Inventors :

(1) EUGENE BERNARD PULLOCK,

(2) JEFFREY LYNN KNOLLENBERG.

Application No. 782/Cal/1993; filed on 10-12-1993.

Appropriate Office for Oppsition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A poultry feeder (10) comprising a feed pan (23) for receiving feed from a feed conveyor (FC), means (18) for delivering feed from said feed conveyor (FC) to said feed pan (23), and means (25) for supporting said feed pan, said poultry feeder being characterised by means (32, 317) for changing said feed pan between a shallow depth position and a deep depth position, said means (32) for changing the position of said feed pan comprising a lost motion connection between said feed pan (23) and said feed pan support (25), for permitting relative lost motion movement of said feed pan and said feed pan support upon relative movement of said feed pan and said feed pan support between said deep depth position and said shallow depth position.

FIG 5

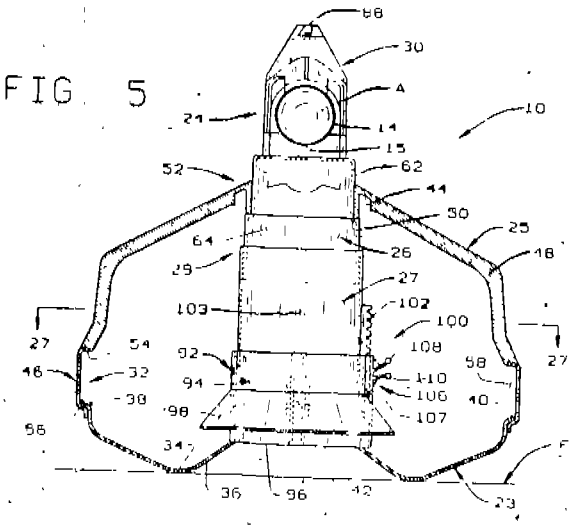
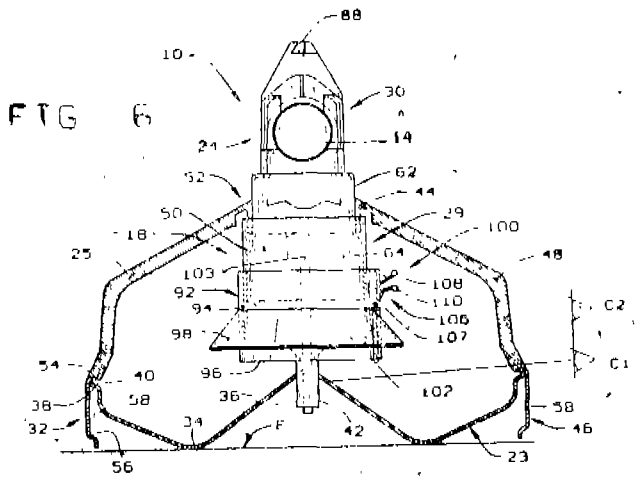


FIG 6



(Compl. Specn. : 40 Pages; Drawings : 11 Sheets)

Cl. : 206-A 180980

Int. Cl. : H 01 Q 21/06

COMPANIES ORGANISED AND EXISTING UNDER THE LAWS OF THE NETHERLANDS.

Applicants : HOLLANDSE SIGNAALAPPARATEN B. V. ZUIDELIJKE HAVENWEG 40, 7550-GD HENGELO, THE NETHERLANDS ; AND STICHTING VOOR DE TECHNISCHE WETENSCHAPPEN VAN VOLLENHOVENLAAN 661, 3527-JP UTRECHT COMPANIES ORGANISED AND EXISTING UNDER THE LAWS OF THE NETHERLANDS.

Inventors :

(1) POUWELS, ARTHUR JOHANNES HENDRIKUS,

(2) SMOLDERS, ADRIANUS BERNARDUS.

Application No. 817/Cal/1994; filed on 06-10-1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

Multipatch antenna comprising an array of substantially equal radiators, positioned on one side of a dielectric sheet (1), a conductive ground plane (5) positioned on the other side of the dielectric sheet (1), feeding means (3) positioned near the ground plane (5) on a side facing away from

the dielectric sheet (1) and capacitive coupling means incorporated between the feeding means (3) and the radiators for energizing the radiators, characterized in that the radiators each consist of one single radiating patch (2), positioned on an outer surface of the dielectric sheet (1), that the capacitive coupling means comprise constant diameter conducting probes (7), on one side connected to the feeding means (3) and on the other side ending in the dielectric sheet (1) near a radiating patch (2), such that these probe ends are completely embedded in the dielectric sheet (1) and that the ground plane (5) is provided with apertures (8) at the location of the radiating patches (2) to allow the passage of the probes (7).

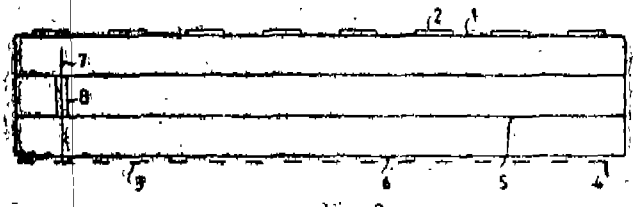


Fig. 2

(Complete Specification : 17 Pages; Drawings : 07 Sheets)

Ind. Cl. : 179 [XL (6)], 125 B 3 [XLI (8)] 180981

Int. Cl. : B 65 D-25/00, 35/24
B 67 D-5/00

A MULTI CAVITY DISPENSING REFILL CARTRIDGE.

Applicant : HINDUSTAN LEVER LTD., 165/166, BACKBAY RECLAMATIONS BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors :
(1) JAMES LOUIS GENTILE,
(2) LEWIS P CANCRO,
(3) DAVID ROBERT WILLIAMS.

Application No. 437/Bom/1993 filed Dec. 24, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

10 Claims

1. A refillable smulti-cavity dispenser for the co-extrusion of at least two flowable materials

5. comprising;

a reusable dispensing head comprising at least two hollow and separate parallel outer dispensing cylinders, the outer dispensing cylinders having a

10 first generally closed end and outlet channels at the closed end; and

at least one disposable refill cartridge, each cartridge comprising at least one hollow and separate

15 parallel inner refill cylinder, each inner cylinder being telescopically and sealingly accommodated within one of the outer dispensing cylinders, each inner refill cylinder for containing one of the flowable materials, each of the inner refill

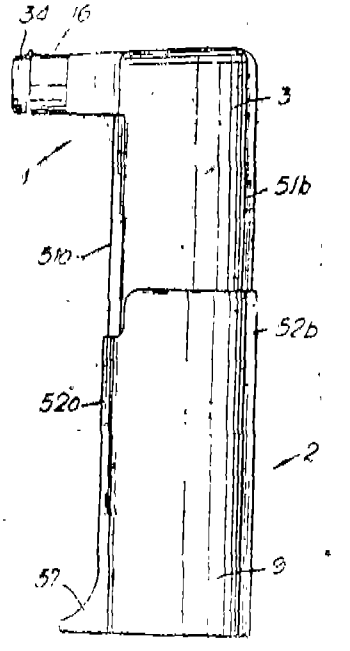
20 cylinders having a generally open top end in fluid communication with the outlet channels, and a bottom end telescopically and alidingly accommodating a piston head which conforms to ride sealingly along the interior walls of the inner refill cylinder so as

25 to force the flowable materials to flow toward the top end of the inner refill cylinders upon relative compression of the inner refill cylinders and piston heads, the piston heads being compressibly engagable with piston rods of a reusable base unit; and

30 an outlet means in fluid communication with the outlet channels the outlet means including adjacent outlet openings unconnected to each other and having means for causing the flowable material to flow toward each other as herein described at the outlet openings to form a

single banded, unmixed stream of the materials outside of the outlet means; and

5 a reusable base unit which slidingly and telescopically accommodates the dispensing head, the base unit having piston rods which are compressibly engagable with the piston heads.



(Complete Specification. 25 Pages; Drawings : 9 Sheets)

Ind. Cl. : 84 B Gr. [XXXII (2)] 180982

Int. Cl. : C 11 B-3/00.

A METHOD FOR THE CONTINUOUS PREPARATION OF C1-C4 ALKYL ESTERS OF HIGHER FATTY ACIDS FROM AN OIL PHASE.

Applicants : OELMUHLE LEER CONNEMANN GmbH & CO., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF GERMANY AND HAVING OUR PRINCIPAL PLACE OF BUSINESS AT SAGEMUHLENSTRASE 45,2950 LEER, GERMANY.

Inventors :
1. ANTON KRALLMANN.
2. JOOSTEN CONNEMANN
3. ERICH FISHER.

Patent Application No. 448/Bom/93 Filed on 31-12-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

14 Claims

Method for continuous preparation of C1 to C4-alkyl esters of higher fatty acids from an oil phase, which consists of natural oils or fats containing free fatty acids or consists of C6-to C24-fatty acid triglycerides, and C-1to C4-monoalcohols by means of substantially pressure-less, multistage, catalytic, transesterification at reaction temperatures of up to 1000°C in the presence of a alkaline catalyst with separation of

glycerine which is precipated, removal of the catalyst residues and stripping off lower alcohols, characterised in that.

(a) in a first method stage a mixture, which is pre-mixed statically or dynamically and consists of an oil phase, monoalcohol and catalyst, at reaction temperature, is introduced from above into a first reactor, which is formed as an upright column at a velocity of flow which is such that it is lower than the settling velocity of the glycerine which is precipitated from the reaction mixture I obtained and is continuously drawn off at the slump of the column after transesterification of approximately 85 to 90% has occurred in the upright column, whereupon.

(b) the reaction mixture I, which still contains approximately 0.5% by weight dissolved and, in addition even more dispersed glycerine and consists of lower alkyl esters, monoalcohols, catalyst, oil and partly reacted oil, is transferred, for the purpose of further transesterification, into a second reactor formed as a stirring reactor and under goes further transesterification of up to approximately 95% to 97% with a dwell time of 2 minutes to up to 2 hours at reaction temperatures of 60 to up to 80°C, whereupon.

(c) the reaction mixture II thus obtained is freed of 1 to 2.5% by weight further glycerine in a first separating stage.

(i) at a temperature of 20 to 40°C, or

(ii) at a temperature of 70 to 90°C with addition of 0.25 to 10% by weight of a hot aqueous extraction solution.

in a special separator by means of short-time wash with an extraction solution, whereupon.

(d) in a further method stage the reaction mixture II thus obtained is introduced, at reaction temperature and with supply of further C1 to C4-monoalcohols and catalyst, to a second reactor, which is formed as an upright column, at a velocity of flow which corresponds to that of the first method stage, and the reaction product III.

(e) undergoes further transesterification in a further stirring reactor at temperatures of 60 to 80°C and with a dwell time of 0.5 to 2 hours, whereupon the reaction product IV which has undergone transesterification of up to 99.2% to 99.6%.

(f) is supplied to a further separator in a second separating stage at 70 to 90°C with addition of 0.25 to 10% by weight of an aqueous extraction solution or a buffer solution and is freed of residual glycerine soaps which have formed and catalyst, whereupon.

(g) the thus purified reaction mixture IV is freed of the lower alcohols by stripping, is washed several times with suitable extraction and washing solutions and then is dried.

(Complete Specification : 20 Pages; Drawings : 1 Sheet)

Int. Cl. : D06P, 3/872. 180983

Int. Cl. : 62B

METHOD OF DYING A POLYSTER/CELLULOSIC BLEND TEXTILE MATERIAL.

Applicants : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, PO POLYTECHNIC AHMEDABAD-380 015, GUJARAT, INDIA.

Inventor : KRUSHANG ARVIND THAKORE.

Application No. 94/Bom/1994 Filed on Mar 11, 1994.

Complete filed after 5-12-94.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules, 1972), Patent Office Branch Mumbai 400 013.

8 Claims

A method of dyeing a polyester/cellulosic blend textile material comprising ;

(a) sensistizing by padding the polyester/cellulosic fabric with 1 to 100gms/litre of a cationic fibre reactive sensitizing agent such of the general formula.

wherein

X represents a reactive halogen atom;

A represents substituted carbon atom;

B represents carbon atom to which a hydroxyl group 'O' is attached;

C may be lower mono or polyalkynyl group of the type -CH2;

D represents trisubstituted nitrogen atom;

R1 and R3 may be methyl or ethyl groups;

R2 may be methyl, ethyl or tert-butyl group;

P represents hydrogen;

n is 1 or 2; and

An represents the anion of an organic or inorganid acid, and the same concentration of an alkali such as sodium carbonate, sodium bi-carbonate, sodium or potassium hydroxide;

(b) batching the fabric for 4 to 18 hours at ambient temperature and then washing it;

(c) loading the fabric into HTHP Jet or Beam dying machine and adding a mixture of disperse and direct or reactive dyes such as herein described in the bath maintained at 5 or 6-pH with acetic acid;

(d) gradually raising the bath temperature to 130°C and dyeing for 10 to 40 minutes at that temperature;

(e) cooling the bath and dropping it at around 90°C;

(f) washing the dyed textile material; and

(g) soaping the dyed textile material with a surfactant or non-ionic wetting agent such as herein described at 90°C and again washing with cold water.

(Comp. Specn. : 39 Pages; Drawings : Nil)

Ind. Cl. : 154 D 180984

Int. Cl. : B 41 K - 1/12

APPARATUS FOR NUMBERING AND COLLECTION OF BANK NOTES IN SEQUENTIAL ORDER.

Applicant & Inventor : SISTLA SATYA VENKATA KRISHNA RAO, NEW NOTE PRESS PROJECT, RESERVE BANK OF INDIA, GARMENT HOUSE, DR. ANNIE BESANT ROAD, WORLI, MUMBAI-400 018. MAHARASHTRA, INDIA.

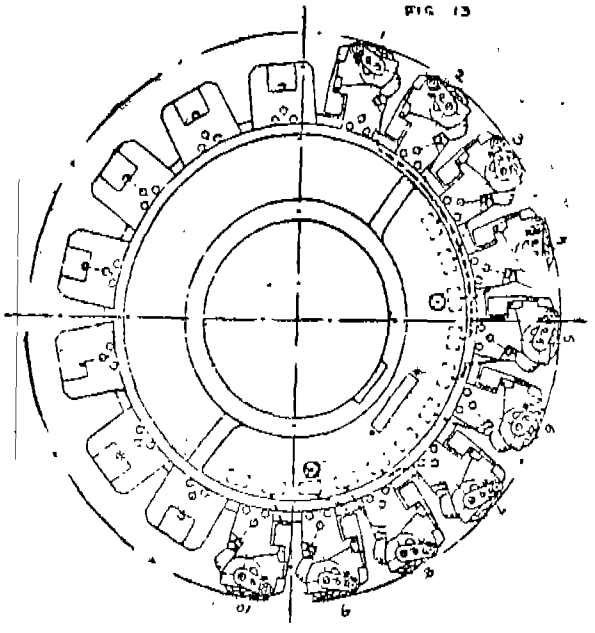
Application No. 153/Bom/94 filed Apr 13, 1994.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules, 1972), Patent Office Branch, Mumbai-400 013.

2 Claims

An apparatus for numbering and collection of bank note in sequential order comprising a flat bed/rotary shaft with numbering boxes fixed at the note numbering positions characterized in that the said numbering boxes collectively in group of 10 number and each numbering box will include a ratchet, actuating pawl and a numbering barrel monnted with pre-determined number of wheels such that the hundredth figure wheel is provided with 9 identical figures and a figur following this figure so hat each box numbers the specifi

hundredth and thousandth figure wheel is coupled to the hundredth figure in such a way that the thousandth wheel advances by one figure after 100 revolutions.



(Com. Specn. 16 Pages; Drgs. 7 Sheets)

Ind. Cl. : 170 D [XLIII (4)] 180985

Int. Cl. : C 11 D 9/00, C 11 D 10/04.

TOILET SOAP BARS.

Applicants : HINDUSTAN LEVER LTD., 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors :
JOHN GEORGE CHAMBERS,
GEOFFREY IRLAM.

Application No. 197/Bom/1994 Filed May 4, 1994.

U. K. Connection date May 7, 1993.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

12 Claims

Soap bar comprising :

(a) At least 25%wt on total actives of lauric acid soaps.

(b) As the balance of the soaps, non-lauric soaps having an iodine value of less than 45.

(c) At least 5%wt on total actives of one or more synergistic mildness active, and,

(d) 2-10% on total actives of free fatty acids.

(Comp. Specn. : 27 Pages; Drwgs. Nil)

Ind. Cl. : 161D, 149B, 136J. 180986

Int. Cl. : E 04 G - 21/08, E 02 D 3/02, E 01 C - 19/30, B 65 F 3/14, 3/026, 046.

IMPROVED COMPACTOR.

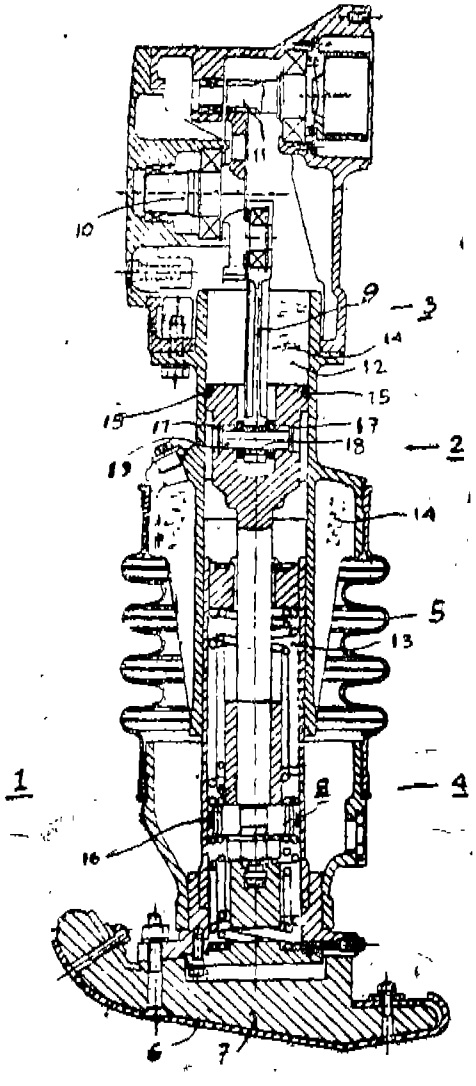
Applicant & Inventor : SORAB CAWASJI BALAL J-157, M.I.D.C., BHOSARI, PUNE-411 026, MAHARASHTRA INDIA.

Application No. 392/Bom/1992 Filed on August 12, 1994

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Mumbai-400 013.

1 Claim

An improved compactor comprising main body formed by two distinct upper and lower housings housed in two distinct upper and lower chambers, connected with each other with the help of a bellow made of strong yet resilient material, on the lower portion of the lower housing there is provided a flat compacting shoe like component acting as a heavy ramming shoe having a thick plate as sole which is internally connected to a vibrating mechanism which in turn is connected to a connected rod in the upper housing, a crank arrangement is connected to a pinion and which in turn is connected to a prime mover; characterised in that there are provided two independent chambers holding lubricating oil, the said chambers are separated from each other with the help of suitable oil seals and a bronze piston guide ring over the lower portion of the piston to accomplish trouble free operation of the compactor.



(Comp. Specn. : 5 Pages; Drwgs. : 1 sheet.)

Ind. Cl. : 173 B, Gr. [XXIX (2)] 180987
70 C5, C6. Gr. [LVIII]

Int. Cl. : C 25 D-9/00
B 05 D-1/06.

IMPROVED DEVICE FOR CONTINUOUS ELECTROSTATIC DEPOSITION OF POWDER PAINT OVER ARTICLES TO BE POWDER COATED.

Applicants : INTECH EXPORTS P. LTD., AN INDIAN COMPANY ANAND TARANG, 17 SHIVPARVATI HSG. SOCIETY, PAUD ROAD, PUNE-411 038, MAHARASHTRA, INDIA.

Inventor : YASHWANT GOPAL GHAISAS.

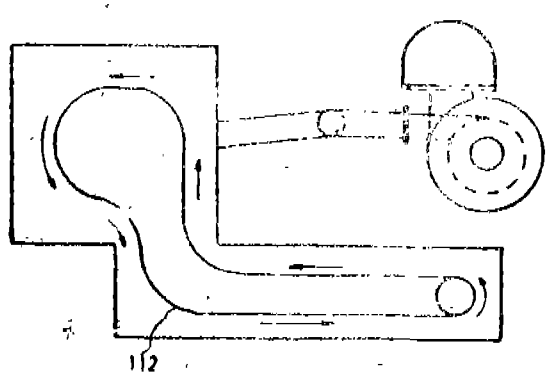
Patent Application No. 490/Bom/94 filed on 12-10-94.

Patent of Addition to Application No. 255/Bom//91 dated 5-9-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Mumbai-400 013.

2 Claims

An improved device for continuous electrostatic deposition of powder paint comprising a closed chamber having at its upper level a motor deriven conveyor, the said conveyor forming a loop and then return to its original position, in whch the powder coating module is provided at the centre of the said loop, the said module comprising a hopper holding a powder paint, the said powder is fed to a turbine disc assembly via a delivery tube through which a precisely metering powder feeding unit, feeds the desired powder output; the said turbine disc assembly is a rotating type disc as well as it is capable of moving in upward and downward direction with the help of reciprocating mechanism provided at the top; the said turbine disc assembly ,receiving powder through the stationary tube is rotated at approx. 1500 revolution per minute and also reciprocating in vertical direction at 8 to 20 strokes per minute thereby the powder particles leaving the turbine disc assembly are thrown towards the artical by (a) centritugal force, (b) aerodynamic force, (c) electrostatic force, (d) ion wind and (e) movement force in upward direction; a stationary electrode disc also reciprocating along with turbine disc assembly which enables to provide a spark free firm contact with high tension cable, the said stationary disc being adjustable, in such a manner that by altering the distance between the electrode disc and the turbine disc assembly, the projectile path of the powder particles can be adjusted; the improvement comprises in providing a hellically wound tribo charging powder path in the said delivery tube, and a discharge wire helically wound along with said helically wound tribo charging powder path and passing through the top land thereof; and an ejector pump coupled with said helically wound powder path for feeding fluidized powder.



(Compl. Specn 16 pages; Drngs. 4 sheets.)

Ind. Cl. 179 C & D, Gr. [XL(6)] 180988

Int. Cl. : B 65 D-39/00.

PILFER PROOF CLOSURE FOR CONTAINERS.

Applicant & Inventor : SHRI SABBIR S PACHORAWALA PARTNERS, M/S BUCKET FACTORY, GHODBUNDER ROAD, GHODBUNDER VILLAGE, P.O. MIRA, DIST. THANE-401 104, MAHARASHTRA, INDIA, AN INDIAN NATIONAL.

Patent Application No. 565/Bom/94 with provisional specification filed on 29-11-94.

Complete after provisional specification filed on 29-2-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-13.

14 Claims

A pilferproof closure for container, provided with an opening formed by an inwardly projected and tapered neck, comprising of a top flange having a diameter/size larger than the maximum diameter/size of the said opening, a vertical collar depending inwardly from the said top flange having its outer diameter a little less than the minimum diameter of the said opening and an outer half bead/upturn provided at the lower end of the said vertical collar the critical diameter of the said half bead being more than the minimum diameter of the said opening, arrangement being such that while packing when closure is pushed through the opening, the said outer half bead passes through the inwardly projected tapered neck and the top flange covering the said opening at the upper end thus making the closure unremovable and thus closing and sealing the container opening simultaneously in a pilferproof manner.

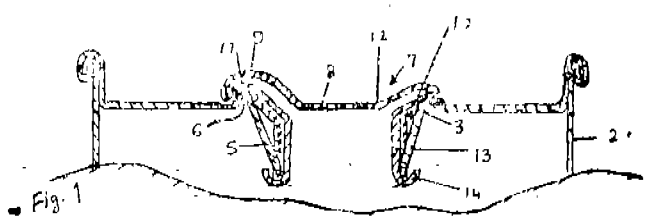


Fig. 1

(Prov. Specn. 4 pages; Drng. Nil.)
(Compl. Specn 12 pages; Drngs. 2 sheets.)

Ind. Cl. : 104 J [XII (1)] 180989

Int. Cl. : C 08 L-97/02.

A PROCESS OF MANUFACTURING ARTIFICIAL WOOD BY USING POLYMERS.

Applicants & Inventor : SHRIKANT GOPAL KULKARNI, AN INDIAN NATIONAL 196, KHAMBEKAR WADI, LAXMI NIVAS NAUPADA, M. G. ROAD, THANE (W) PIN-400 602, MAHARASHTRA STATE, INDIA.

Application No. 31/Bom/95 filed on January 20, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-13.

9 Claims

Process of manufacturing artificial wood using polymers comprising mainly of the stages of formulation and extrusion; wherein the formulation stage :

(1) the basic raw material together with the additives, forming agents plasticisers and lubricants are continuously and thoroughly mixed and heated to a high temperature for a period of 12 minutes;

(2) the said heated mixture being decomposed and then foamed;

(3) said resultant product is cooled to ambient (room) temperature;

(4) the said cooled mixed product being again dried at an elavated temperature of 80 to 100°C to result in the form of fine powder, and in the extrusion stage,

(5) the fine powder is firstly passed through an injection jet extruder of 60 MM and above having a L. D. ratio of 24:1, wherein the chemical reaction takes place at the rate of 40 to 50 mil/second at an elevated temperature of 180° to 210°C to result in the form of foamed material;

(2) the said foamed material being reformed to control excessive built up of foam;

(3) the said reformed output material being collected in a primary collecting tank and cooled;

(4) the resultant product is collected in a secondary tank, containing vacumizer unit for aircooling;

(5) the said aircooled product is then passed on to take up unit consisting of conveyor belt and cutting unit which cuts said product to required predetermined sizes and the said cut ones are passed on to the storage unit to get stacked.

(Compl. Specn. 14 pages; Drng. Nil)

Int. Cl. : A 23 D, 7/00.

Ind. Cl. : 83 A¹ [XIV(5)].

PROCESS FOR THE PRODUCTION OF FAT-CONTINUOUS, LOW-FAT EMULSIONS.

Applicants : HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors :

1. FREDERICK WILLIAM CAIN.
2. LEENDERT HENDRIK WESDORP.
3. GINA SUZETTE HUTSON.

Appliction No. 110/Bom/1995 filed on March 9, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-13.

10 Claims

Process for the production of fat-continuous, low-fat emulsions comprising he steps of :

1. forming a water-continuous fat emulsion having the composition;

10—30 wt.% of fat;

5—57 wt.% preferably 15—40 wt% of H_2O,

13—85 wt.% of remainder, being at least one compound from the group consisting of acidity controller, thickener, preferably a non-gelling thickener bulking agent, emulsifier sweetener, flavour, colorant, humectant and preservative, by mixing the components at a temperature above the melting point of the fat;

2. cooling the emulsion, using a shear of 30—1500 S^{-1}, preferably 100—800 S^{-1}, applying a residence time of less than 2 minutes, preferably from 1—90 seconds.

(Compl. Specn. 13 pages; Drng. Nil.)

Ind. Cl. : 98 E, Gr. [VII (2)] 180991
97 D, Gr. [LIX (2)]

Int. Cl. : H 05 B-3/68.

A MULTI PURPOSE COOKING SYSTEM.

Applcant & Inventor : MULCHAND GANGJI CHHEDA INDIAN NATIONAL, PROPRIETOR, CANAN DOMESTIC APPLIANCES, 101, SHANTINATH, LINK ROAD, DAHISAR (E), MUMBAI-400 068, MAHARASHTRA, INDIA.

Patent Application No. 224/Bom/95 filed on 17-5-95

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-13.

20 Claims

A multi-purpose electrical cooking system comprising :

a main body portion;

a hot plate supported with respect to said main body portion having a substantially flat top surface portion and electrical heating elements thereunder said top surface portion, said main body portion maintained heat insulated from said hot plate and means for controlling the heating of said hot plate comprising electronic control means and/or hydraulic capillary system, said electrical control means housed within said main body portion means for targetting heating of said hot plate comprising a heat reflecting means thereunder and facing said hot plate and means for controlling the temperature of the said hot plate.

(Compl. Specn. 14 pages; Drngs. 4 sheets.)

Ind. Cl. : 55 E. t 180992

Int. Cl. : A 61 K-49/02, 43/00, 47/00.

A PROCESS FOR THE SYNTHESIS OF 5, 10, 15, 20-TETRAKIS [3, 4-BIS (CARBOXYMETHYLENEOXY) PHENYL] PORPHYRIN FROM 3, 4-DI (CARBO-ETHOXYMETHYLENEOXY) BENZALDEHYDE FOR DETECTION/TREATMENT OF TUMOURS.

Applidants : INDIAN INSTITUTE OF TECHNOLOGY, POWAI, MUMBAI-400 076, MAHARASHTRA, INDIA, AN INDIAN INSTITUTE OF TECHNICAL EDUCATION & SHANKAR JAYARAM SHETTY & TAPESWARI SARAN SRIVASTAVA BOTH INDIAN CITIZENS AND OF DEPARTMENT OF CHEMISTRY, INDIAN INSTITUTE OF TECHNOLOGY AFORESAID AND BHABHA ATOMIC RESEARCH CENTRE, TROMBAY, MUMBAI-400 085, MAHARASHTRA, INDIA, A SCIENTIFIC INSTITUTION OF THE DEPARTMENT OF ATOMIC ENERGY, GOVT. OF INDIA & SUBBARAYAN MURUGESAN OLIVER PATRICK DOMINIC NORONHA & ABAN MEYER SAMUEL, ALL INDIAN CITIZENS AND OF RADIATION MEDICINE CENTRE, BHABHA ATOMIC RESEARCH CENTRE, TATA MEMORIAL CENTRE ANNEXE, PAREL, MUMBAI-400 012, MAHARASHTRA, INDIA.

Inventors :

1. MR. SHANKAR JAYARAM SHETTY
2. MR. TAPESWARI SARAN SRIVASTAVA
3. MR. SUBBARAYAN MURUGESAN
4. MR. OLIVER PATRICK DOMINIC NORONHA
5. MR. ABAN MEYER SAMUEL.

Application No. 328/Bom/96 filed on June 25, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-13.

3 Claims

A process for the synthesis of 5, 10, 15, 20-tetrakis [3, 4-bis (carboxymethyleneoxy) phenyl] porphyrin of the formula shown in Fig. 1 of the accompanying drawings from 3, 4-bis (carboethoxy-methyleneoxy) benzaldehyde

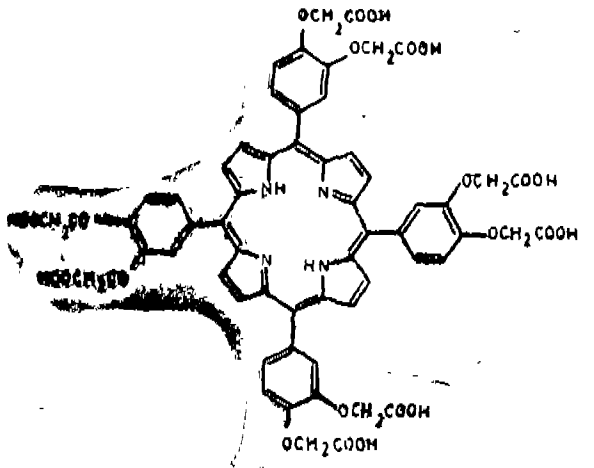


FIG.1

of the formula shown in Fig. 2 of the accompanying drawings for

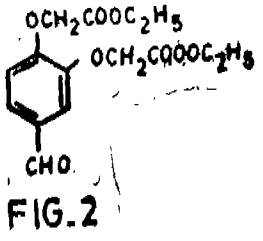


FIG.2

detection/treatment of tumours which consists of reacting the 3, 4-di (corboethoxymethyleneoxy) benzaldehyde of the formula 2 of the accompanying drawings with pyrrole of the formula shown in Fig. 3

FIG.3

of the accompanying drawings in the molar ratios 1:1 to 1:2 in the propionic acid under reflux to obtain 5, 10, 15, 20-tetrakis [3, 4-bis (carboethoxymethyleneoxy) phenyl] porphyrin of the formula shown n Fig. 4 of the accompanying dawngs and hydrolysing the compound of Fig. 4 with sodium hydroxide in tetrahydrofuran in the molar ration 1:6 to 1:12.

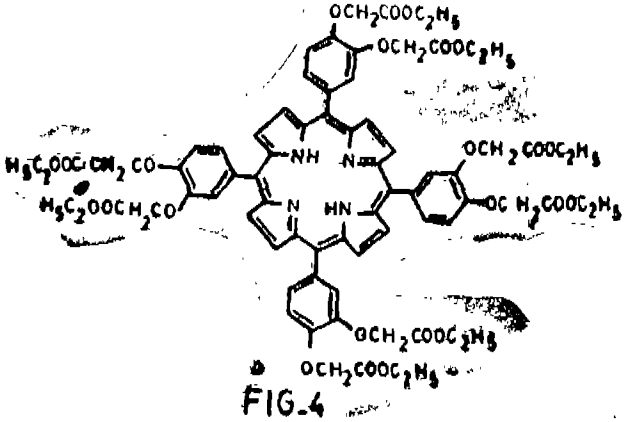


FIG.4

Ind. Cl. : 83 A1, Gr [XIV (5)] 180993

Int. Cl. : A 23 L-1/00.

THE PROCESS OF EXTRACTING DILLAPIOLE FROM HERBAL DILL SEEDS.

Applicants : SONIC BIOCHEM EXTRACTIONS PVT. LTD., A PRIVATE LIMITED COMPANY UNDER THE INDIAN COMPANIES ACT, 1956, HAVING ITS OFFICE AT 39, PATEL NAGAR, INDORE, MADHYA PRADESH, PIN-452 001, INDIA.

Inventors : (1) SHRIKISHAN CHOITHRAM MATLANI.

(2) GIRISH SHRIKISHAN MATLANI.

Patent application No. : 562/Bom/96 filed on 22-11-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch Mumbai-400 013.

12 Claims

The process of extracting Dillapiole from raw herbal Dill Seeds comprising :

(a) Palletising the raw Dill seeds initially.

(b) subjecting the said palletised Dill seeds to distilation under predetermined pressure and temperature conditions to get crude Dill Oil.

(c) said crude Dill oil being subjected to fractionation wherein heating is carried out in successive ascending order temperature levels and under vacuum conditions to result in the form of a residue.

(d) said heated residue being further heated to a temperature of 160°C under vacuum conditions and then subjecting the said residue to a condensation level at 40°C to result in the pure Dillapiole.

(Compl. Specn. : 14 Pages; Drg. : Nil)

Ind. Cl. : 83 A 1, Gr. [XIV(5)] 180994

Int. Cl. : A 23 L-1/00.

THE PROCESS OF EXTRACTING PURE FOOD & PHARMA GRADE POWDER & LIQUID LECITHIN FROM CRUDE LECITHIN DERIVED FROM VEGETABLE OIL SEEDS SUCH AS SOYABEANS.

Applicants : SONIC BIOCHEM EXTRACTIONS PVT. LTD., A PRIVATE LIMITED COMPANY UNDER THE COMPANIES ACT, 1956, HAVING ITS OFFICE AT 38, PATEL NAGAR, INDORE, MADHYA PRADESH, PIN-452 001, INDIA.

Inventors : (1) SHRIKISHAN CHOITHRAM MATLANI,

(2) GIRISH SHRIKISHAN MATLANI.

Patent Application No. : 622/Bom/96 filed on 30-12-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch Mumbai-400 013.

5 Claims

Process of extracting pure food & pharma grade powder and liquid lecithin from crude lecithin comprising the steps of :

(i) subjecting the crude lecithin for washing into jet mixer having a solvent with simultaneous stirring achieving reduction of particle size;

(ii) then subjecting the resultant output at step (I) above into an impeller mixer with simultaneous stirring to achieve shear stress in the fluid;

(iii) decanting the resultant product for a predetermined period for clear settling;

(iv) removing the solvent having the contaminated oils in the decenter by vacuum separation;

(v) resultant mass obtained from step (iv) above being subjected to second was with another solvent to recover phosphotidal cholin from the said mass;

(vi) subjecting the resultant material to compounding with anti-caking agent, bleaching and preservative against and then allowing for decantation again to separate liquid and solid products one side and the powder portion to a vacuum drier;

(vii) lastly subjecting the liquid portion obtained from the decanter to fractionating column where additive ingredients as base are being added to make pure liquid lecithin.

(Complete Specification : 13 pages; Drawings : Nil)

180995

Ind. Cl. : 83 AL, Gr. [XIV(5)]

Int. Cl. : A 23 L - 1/015.

THE PROCESS OF EXTRACTING STEROL FROM DEODOURISED DISTILLATES WHICH IS A BY PRODUCT RECOVERED DURING REFINING OF SOYA OIL FROM SOYA SEEDS.

Applicants : SONIC BIOCHEM EXTRACTIONS PVT. LTD., A PRIVATE LIMITED COMPANY UNDER THE INDIAN COMPANIES ACT, 1956, HAVING ITS OFFICE AT 38, PATEL NAGAR, INDORE, MADHYA PRADESH, PIN-452 001, INDIA.

Inventors :

(1) SHRIKISHAN CHOITHRAM MATLANI.

(2) GIRISH SHRIKISHAN MATLANI.

Patent Application No. 623/Bom/96 filed on 30-12-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

14 Claims

The process of extracting Sterol from deordourised distillates which is a by product recovered during refining of soya seeds, comprising the steps of :

(i) subjecting deodourised distillates to undergo physical conversion;

(ii) subjecting resultant product at step (i) above to the Molecular Distillation; and

(iii) subjecting the residue collected at the end of the Molecular distillation to chemical purification and mixing with solvents and simultaneously cooling to a very low temperature to obtain the crystal precipitates;

(iv) filtering the crystal precipitates to obtain end filtrates;

(v) mixing and treating the said end filtrates at step (IV) with solvents in a crystalizer to remove all the remaining fatty acids and the impurities present therein;

(vi) heating the treated resultant filtrate to undergo a reflux process continuously for predetermined specific period thereby dissolving the waxes in a solvent and filtering the wax free crystals;

(vii) subjecting the said filtered crystals to another solvent was in a centrifuge to remove any other impurities present;

(viii) subjecting said resultant product at step (vii) above to vacuum drying together with simultaneous heating to obtain the pure sterol.

(Complete Specification : 11 Pages; Drawings : Nil)

Ind. Cl. : 32 F1 [IX (1)] 180996

Int. Cl. : A01N-37/34; C07C-121/52

A PROCESS FOR THE SYNTHESIS OF 3.5-DIBROMO-4-HYDROXYBENZONITRILE (BROMOXYNIL) STARTING FROM P-CRESOL.

Applicants : GUJARAT STATE FERTILIZERS COMPANY LTD., AN INDIAN COMPANY, OF P.O. FERTILIZERNAGAR-391 750, VADODARA, GUJARAT STATE, INDIA.

Inventors :

(1) DR. ANIL KUMAR VARSHNEY

(2) DR. A. VIDYASAGAR

(3) KAIZAR J. NALAWALA

(4) MR C SATYANARAYANA MURTHY

(5) DR. MAHESH HARIBHAI MEHTA.

Application No. 61/Bom/96 filed on 30-01-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

5 Claims

An improved process for the synthesis of 3.5-dibromo-4-hydroxybenzonitrile (bromoxynil) from p-cresol comprising brominating p-cresol to make 3.5-dibromo p-cresol, oxidising 3.5-dibromo p-cresol to 3.5-dibromo-4-hydroxybenzaldehyde; oximating 3.5- dibromo-4-hydroxy-benzaldehyde to 3.5-dibromo-4-hydroxybenzaldoxime and dehydrating 3.5-dibromo-4-hydroxybenzaldoxime to 3.5-dibromo-4-hydroxybenzonitrile or bromoxynil.

(Complete Specification : 8 Pages; Drawing : 1 Sheet)

Ind. Cl. : 32 F3(a) [IV (9)] 180997

Int. Cl. : C 07 C - 47/575

A PROCESS FOR THE SYNTHESIS OF 3.4.5-TRIMETHOXYBENZALDEHYDE STARTING FROM P-CRESOL.

Applicants : GUJARAT STATE FERTILIZERS COMPANY LTD., AN INDIAN COMPANY, OF P.O. FERTILIZERNAGAR-391 750, VADODARA, GUJARAT STATE, INDIA.

Inventors :

(1) DR. ANIL KUMAR VARSHNEY

(2) DR. A. VIDYASAGAR

(3) KAIZAR J. NALAWALA

(4) C. SATYANARAYANA MURTHY

(5) DR. MAHESH HARIBHAI MEHTA.

Application No. 62/Bom/96 filed on 30-01-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

5 Claims

An improved process for the synthesis of 3,4,5-trimethoxybenzaldehyde comprising brominating p-cresol to make 3,5-dibromo p-cresol, oxidising 3,5-dibromo-p-cresol to 3,5-dibromo-4-hydroxy-benzaldehyde, methoxylating 3,5-dibromo-4-hydroxy-benzaldehyde to 3, 5-dimethoxy-4-hydroxybenzaldehyde or syringaldehyde, and finally methylating syringaldehyde to 3,4,5-trimethoxybenzaldehyde.

(Com. Specn. : 10 Pages; Drgs. : 1 Sheet)

Ind. Cl. : 55 E4, Gr. [XIX (1)] 180998

Int. Cl. : A 61K-31/155

A PROCESS FOR THE PREPARATION OF THERAPEUTICALLY ACTIVE SUBSTITUTED 1-NAPHTHOYL GUANIDINES.

Applicants : HOECHST MARION ROUSSEL LIMITED OF HOECHST HOUSE, NARIMAN POINT, 193-BACKBAY RECLAMATION, MUMBHAI-400 021 MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors :
(1) DRS. BRENDEL JOACHIM
(2) ENGLERT HEINRICH
(3) KLEEMANN HEINZ-WERNER
(4) LANG HANS-JOCHEN
(5) ALBUS UDO
(6) BANSI LAL
(7) ANIL VASANTRAO GHATE.

Patent Application No. 206/Bom/96 filed on 12-04-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

2 Claims

A process for the preparation of therapeutically active substituted 1-naphthoyl-guanidine of the formula 1

in which

R2, R3, R4, R5, R6, R7 and R8 independently of one another are H, F, Cl, Br, I. CN, NO2, CF3, C2F5 or XaYbZ; X is O.S. NR(10), CR(11) R(12), C=O, C(=O) NR (10), C (=0) 0, SO, SO2, SO2 NR(10), OC=O, NR (10) C=O or NR (10) SO2, where the linkage with the napthalene ring in each case takes place via the left atom; R(10), R(11) and R(12) independently of one another are H. alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms. perfluoroalkyl having 1, 2, 3 or 4 carbon atoms or cycloalkyl having 3, 4, 5, 6 or 7 carbon atoms;

a is zero or 1 :

Y is alkylene having 1, 2, 3, 4, 5, 6, 7 or 8 CH2 groups, where one of these CH2 groups can be replaced by O.S. NR (13) or o-p-or m-phenylene;

R(13) is H, alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms, perfluoroalkyl having 1, 2, 3 or 4 carbon atoms or cycloalkyl having 3, 4, 5 or 6 carbon atoms;

6 is zero or 1;

Z is H, alkyl having 1, 2, 3, 4, 5, 6 or 7 carbon atoms, cycloalkyl having 3, 4, 5, 6 or 7 carbon atoms, C (=O) R (15), SO2R (15), NR (16) R (17) or phenyl, which is unsubstituted or substituted by 1-3 substitutents selected from the group consisting of F, Cl, Br, CF3, methyl, methoxy and NR (21) R (22); R (21) and R(22) independently of one another are H, alkyl having 1, 2, 3, or 4 carbon atoms or perfluoroalkyl having 1, 2, 3 or 4 carbon atoms;

R(15) is N=C (NH_2)2, NR(18) R(19), N (CH2), CNR(18) R(19) or OR (20) :

c is 2 or 3 :

R(18) and R(19) independently of one another are H, alkyl having 1, 2, 3, 4, 5, 6, 7 or 8 carbon atoms or perfluoroalkyl having 1, 2, 3 or 4 carbon atoms; or R(18) and R(19) together are 4 or 5 methylene groups, of which one CH2 group can be replaced by oxygen, S, NH, N-CH3, N-benzyl or N-(p-chlorophenyl);

R(20) is H, alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms, perfluoroalkyl having 1, 2, 3, or 4 carbon atoms or cycloalkyl having 3, 4, 5, 6 or 7 carbon atoms;

R(16) and R(17) independently on one another are H, alkyl having 1, 2, 3, 4, 5, 6, 7 or 8 carbon atoms or perfluoroalkyl having 1, 2, 3 or 4 carbon atoms; or

R(16) and R(17) together are 4 or 5 methylene groups, of which one CH2 group can be replaced by oxygen, S. NH, N-CH3, N-benzyl or N-(Pchlorophenyl) : or

Z is an N-containing heterocycle having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms, where the N-containing heterocycle is linked via N or G and is unsubstituted or substituted by 1-3 substitutents selected from the group consisting of F. Cl Br CF3 methyl, methoxy and NR(21) R(22);

but where in the case where R(4) is an alkoxy radical at least one of the substitutents R(2), R(3), R(5), R(6), R(7) and R(8) is not equal to hydrogen; or its pharmaceutically tolerable salts which comprises reacting a compound of the formula II

in which is an easily nucleophilically substitutable leaving group, and the other substituents are as defined above with guanadine.

(Complete Specification : 37 Pages; Drawings : Nil)

180999

Ind. Cl. 55E$_4$[XIX(1)]

Int. Cl A 61 K, 31/00.

AIDS AYURVEDIC MEDICINE/COMPOSITIONS.

Applicants RAPTAKOS BRETT & CO. LTD.
Dr. Annie Besant Road Worli Mumbai-400025
Maharashtra India.

Inventor SHYAM KHANNA

Application No. 326/BOM/1996 FILE ON JUN 21, 1996.

Appropriate Office for opposition proceedings (Rule 4 Patents Rules 1972) Patent Office Branch Mumbai-13.

5 CLAIMS

A process for preparing an Anti-Aids Ayurvedic medicine composition comprising of :

(i) Procuring of following herbs, as per standard specifications :

Sr. No.	Name of the Herb (in Hindi)	Corresponding Botanical name
1	2	3
1.	Medasak (Roots)	Litsaa glutinosa (Lour)
2.	Kshirkakoli (Roots)	Fritillaria roylei (Hook)
3.	Kakoli (Roots)	Luvunga scandens (Roxb)
4.	Payasvini (Roots)	Laptadesia reticulata (W.A.)
5.	Madhuk (Roots)	Glycyrrhiza glabra (Linn)
6.	Lomashparni (Roots)	Teramnus labialis (spreng)
7.	Endri (Roots)	Citrullus colocynthis (Schrad)
8.	Shatvirya (Roots)	Asparagus recemosus (Willd)
9.	Varahkarni (Roots)	Withania somnifera (Dunal)
10.	Bhutjata (Roots)	Nardostachys jatamansi (Dc)
11.	Kanghi (Roots)	Abutilon (Linn)
12.	Gandahpurna (Roots)	Boerhavia diffusa (Linn)
13.	Mahameda (Roots)	Polygonatum cirrhifolium (Royle)
14.	Kshir bidari (Roots)	Ipomoea digitata (Linn)
15.	Ugragandha (Roots)	Acorus calamus (Linn)
16.	Samhalu (Roots)	Vitex negundo (Linn)
17.	Raktangika (Roots)	Rubia cordifolia (Linn)
18.	Sariva (Roots)	Hemidesmus indicus (R. Br.)
19.	Safed Musli (Roots)	Asparagus adscendens (Roxb)
20.	Kali Musli (Roots)	Curculigo orchioides (Gaertn)
21.	Chitrak (Roots)	Plumbago zeylanica Linn (Roots)
22.	Pipplimul (Roots)	Piper longum (Linn)
23.	Neem (Bark)	Azadirachta indica (A. juss)
24.	Amrita (stems)	Tinospora cordifolia (Willd) Miers.
25.	Triphala (Dried fruits)	(i) Emblica officinallia (Gaertin) (ii) Termainalia belleria (roxb) (iii) Terminalia chebula (Retz)
26.	Bhamirang (fruit)	Embalia ribes (Burm. F.)
27.	Rajadan (Fruits)	Alstonia venenatus (Brown)
28.	Tal (Fruits)	Borassus flabellifer (Linn)

1	2	3
29.	Pippali (Fruits)	Pipper longum (Linn)
30.	Kapikachhu (Seeds)	Mucuna prurita (Hook)
31.	Utangan (Seeds)	Blepharis edullis (Pers)
32.	Gokhru (Seeds)	Tribulus terrestris (Linn)
33.	Shudda Kuchia (Seeds)	Strychnos-nux-vomica (Linn)
34.	Bhilava Girl (Seeds)	Semicarpus anacardium (Linn)
35.	Mandukparni (All parts)	Centella asiatica (Linn)
36.	Triparni (All parts)	Desmodium gangeticum (Dc)
37.	Brahmi (All parts)	Bacopa monnieri (Linn)
38.	Shravni (All parts)	Sphaeranthus indicus (Linn)
39.	Kirat (All parts)	Swertia chirayita (roxb)
40.	Kshirpushpi (All Parts)	Convolvulus pluricaulis (Choisy)
41.	Shalmali (All Parts)	Salmalia malabarica (Dc)
42.	Draksha (Fruit)	Vitis vinifera (Linn)
43.	Rasont (extract)	Berberis aristate (Dc);

procuring of following bhasmas, as per standard specifications :

	Name of Bhasmas in Hindi	Corresponding English Name
44.	Abhrak Bhasma (Sahasraputi)	Mica Ash.
45.	Rajata Bhasma	Silver Ash.
46.	Kant Loha Bhasma	Iron Ash.
47.	Bang Bhasma	Tin Ash.
48.	Vikrant Bhasma	
49.	Praval Pisti	Coral;

procuring of following kalpas, as per standard specifications :

Sr. No.	Name of Kalpas in Hindi
50.	Tal sindur (Compound of yellow arsenic mercury and sulphur)
51.	Rasa Sindur (Compound of Mercury and Sulphur processed in herbs in a known standard manner)
52.	Makaradwaja (Compound of mercury & Sulphur)

procuring of following minerals, as per standard specifications :

53.	Shuddha Shilajit	Purified Mineral pitch
54.	Shuddha Gandhak and	Purified Sulphur
55.	Procuring of Rudraksh ash;	

(ii) disintegrating each of the said herbs as given in above para (i) at Sr. No. (1 to 23) and (25 to 41) in the disintegrater, separately and pulverising the same in the pulveriser to form the powder of 10 mesh sieve size to 30 mesh seive size pulverising the Rasont (extract) at Para (i) Sr. No. 43 to form a powder of 10 mesh sieve size to 30 mesh sieve size;

(iii) mixing the powders of herbs with the powder of 'Rasont' (extract) in (predetermined/desired as described here in above) proportions and filling the mixture, in cotton bag(s) adding 'Drakhsha' (whole fruits) at Para (i) Sr. No. 42 to the said mixture in the bag(s), in (predetermined/desired as described hereinabove) proportion;

(iv) keeping the said cotton bags filled with powder of herbs 'Rasont' (Extract) and Draksha (whole fruits) in the jacketted pan, adding water about 8 times of the weight of this mixture and heating the same atleast at 100°C till 75% of water contents gets evaporated and the remaining aqueous extract is filtered with filter press;

(v) adding the preservative (such as) Sodium Benzoate into the aqueous extract obtained by step (iv) above and again heating the same altleast at 100°C, to form semi solid aqueous herbal extract;

(vi) disintegrating seperately the herbs "Amrita" (stem) [Tinospora Cordifolia (Wild) Miers] [as described above at Para (i) Sr. No. 24] and pulverising the same to form a powder of 10 mesh sieve size to 30 mesh sieve size and filling the said powder in cotton bag(s) and keeping the said bag(s) in a jacketted pan for obtaining aqueous extract thereof separately in the same manner as given above for other herbs;

(vii) mixing the said semi-solid aqueous herbal extract obtained by other process/step (v) with aqueous extract of "Amrita" (stem) of steps (vi) bhasmas, kalpas shudha shilajit Shuddha Gandhak and Rudraksh ash in (predetermined/desired as described herein above) proportion under continuous stirration, to obtain homogeneous mixtures;

(viii) drying the said homogeneous mixture obtained but the above step (vii) in a vacuum drier, at low temperature, to reduce the moisture content below 3%.

(ix) pulversing the dried mass obtained from the above step (viii) in the pulveriser and sieving, the same through 60 mesh seive size to obtain an active in gredient of Anti-Aids Ayurvedic medicinal powder.

Comp. Spcn. 24 pages; Drgs : NIL

Ind. Cl. : 77A + C 181000

Int. Cl. : A 23 D 3/00, 3/02

PROCESS FOR THE PREPARATION OF A MARGARINE FAT BLEND.

Applicants : HINDUSTAN LEVER LTD., 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors :
(1) HINDRIK HUIZINGA.
(2) CORNELIS LAURENTIUS SASSEN.
(3) LEO FRANS VERMAAS, BAUL SCHUR.

Application No. 527/Bom/1995 filed on Dec. 18, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

12 Claims

Process for the preparation of a margarine fat blend, comprising mixing 86–95 parts of liquid oil with 5–14 parts of a hardstock being a stearin fraction of an interesterified mixture of 25–65%, and preferably 65–45% unhardened C16+ fat sterin.

(Complete Specification : 31 Pages; Drawings : Nil)

Ind. Cl. : 32 E 181001

Int. Cl.[4] : CO 8L 35/00

A METHOD OF MAKING A FIBER/RESIN COMPOSITE ARTICLE.

Applicant : LOCTITE CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CONNECTICUT, UNITED STATES OF AMERICA, HAVING A PRINCIPAL PLACE OF BUSINESS AT 705 NORTH MOUNTAIN ROAD, NEWINGTON, CONNECTICUT 06111, U.S.A.

Inventors :
(1) KIERAN FRANCIS DRAIN, USA.
(2) LARRY ARMAND NATIVI, USA.
(3) RICHARD TREADWELL THOMPSON, USA.

Application for Patent No. 1197/Del/91 filed on 05-12-91.

Ante dated to 13-10-88.

Divisional to Patent No. 872/Del/88 filed on 13-10-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A method of making a fibre/resin composite article such as herein described comprising the steps of :

(a) providing a resin composition comprising an actinic radiation curable first resin component such as herein described and a second resin component which is non-cured under actinic radiation conditions suringly effective for the first resin component, wherein the actinic radiation curable component is present in immobilizingly effective amount which is 1 to 50% by weight based on the total weight of the component in the composition;

(b) combining in a conventional manner said resin composition with one or more fibre/resin composition matrix;

(c) forming the fiber/resin composition matrix into the article of required shape in a manner such as herein described;

(d) exposing the shaped, fiber/resin composition matrix to actinic radiation which is curingly effective for the first resin component, thereby immodbilizing the resin composition and obtaining the described article.

(Complete Specification : 42 Pages; Drawing : 2 Sheets)

Ind. Cl. : 56G (V) 181002
Int. Cl.[4] : B 01 D 3/26

AIR DISTILLATING COLUMN.

Applicant : L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE 75, QUAID' ORSAY-75321 PARIS CEDEX 07 (FRANCE).

Inventors :

(1) PIERRE JEANNOT.

(2) JEAN-YVES LEHMAN.

Application for Patent No. 1214/Del/91 filed on Date 11-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

Air distillation column having stackings of packs (201) of organized cross-undulated packings on at least part of the height thereof, each pack (202) comprising abundle of rectangular undulated lamellar sheets (201) each placed in a substantially vertical plane, and against one another, waves (203) of each said lamellar sheet (201) are oblique and downwardly directed, in opposite directions from one said lamellar sheet to the next one, from a 'high' vertical edge (204) to a 'low' vertical (205) edge of the lamellar sheet (201), wherein the packs (202) of packings have means for reducing HETP (height equivalent to a theoretical plate) which is characterised by comprising in at least one area of each said pack (202) :

(a) an asymmetrical lateral deformation (240) of said low edge (205) and/or, in a median portion (212) of the packing whore chord of the packings has slight variation, a contraction of the lowedge (205) of each said lamellar sheet (201) with respect to the upper edge (204) of the two adjacent lamellar sheets (201); and

(b) a dealing device (101) which surrounds said pack (201) and is between said pack and a sleeve (61) surrounding said pack, said sealing device (101) comprising on the one hand a girdle (103) applied against periphery of the pack (202) and a series of teeth (111) having an inclination towards the axis of the sleeve (61) along the loweredge thereof, and on the other hand, means (101A) sealingly connecting the girdle (103) to the inner wall of the sleeve (61); and having consecutive distillation sections;

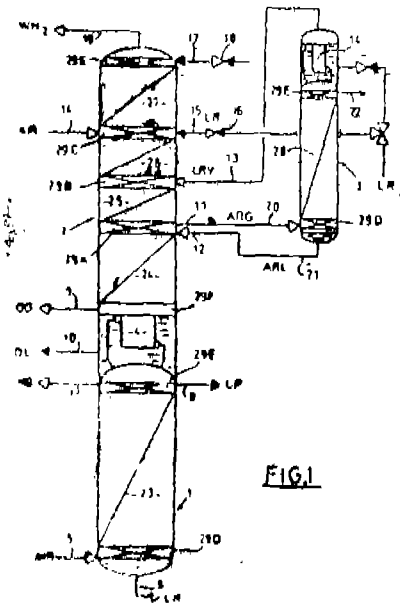


FIG.1

(Complete Specification : 41 Pages; Drawings : 19 Sheets)

Ind. Cl. : 62 E 181003
Int. Cl.[4] : D 06 F, 35/00

AN AUTOMATIC WASHER.

Applicant : WHIRPOOL CORPORATION, A DELAWARE CORPORATION, OF 2000 M-63 BENTON HARBOR, MICHIGAN 49022 UNITED STATES OF AMERICA.

Inventor : DEVINDER SINGH, CA.

Application for Patent No. 1263/Del/91 filed on Date 23-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

An automatic washer comprising :

—a wash tub for receiving wash liquid;

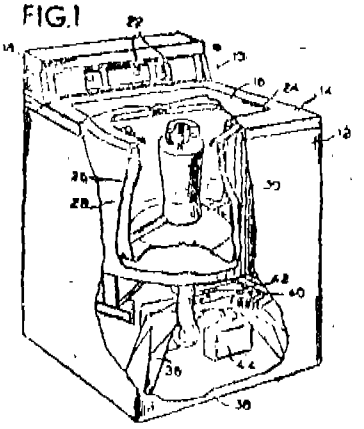
—a wash ba ket concentrically mounted within said wash tub for rotation relative to said tub;

—a post mounted within the said wash basket for rotation with said basket;

—spray means mounted on said post for spraying wash liquid into the interior of said wash basket;

characterized in that the agitation enhancing means positioned adjacent a peripheral wall of said wash basket into an interior of said basket for enhancing agitation of a fabric load positioned within said basket.

FIG.1



(Complete Specification : 13 Pages; Drawings : 3 Sheets)

Ind Cl. : 206 E 181004
Int. Cl. : H03B-28/00

FREQUENCY SYNTHESIZER DEVICE.

Applicant : MOTOROLA INC. A CORPORATION OF THE STATE OF THE STATE OF DELAWARE, UNITED STATE OF AMERICA OF 1303 EAST ALGONQUIN ROAD, SCHAUMBJFF, ILLINOI 60196, UNITED STATES OF AMERICA.

Inventors : THOMAS J. KUNDMANN, USA.

Application for Patent No. 1270/Del/91 filed on Date 23-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A frequency synthesizer device for use in a radio transceive having increased frequency resolution of an analog output single synthesized in accordance with a digital control signal which comprises a first signal generating means for providing a first digital input signal for a first predetermined time period A and a second digital input signal for a second predetermined time period B, phase accumulator means connected to said signal generating means for accepting said signals, a second signal generating means connected to said first signal generating means and phase accumulator means to generate the required phase corresponding to the interger value of said first and second digital input signals, said phase accumulator means also being connected to a phase to amplitude converter means to generate the weighted average of said first digital input signal and said second digital input signal to produce digital control signal capable of being converted into said analog output signal.

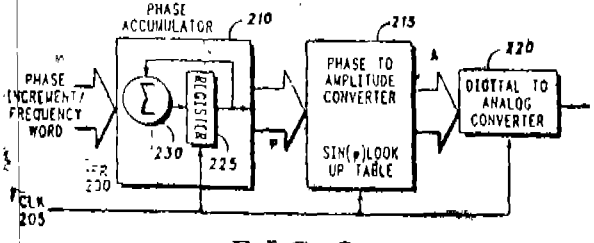


FIG. 2

(Complete Specification : 12 Pages; Drawings : 2 Sheets)

Ind. Cl. : 113 CD H 181005

Int. Cl. : F03G 7/00, 17/00

SOLAR LAMP STAND.

Applicant : SORELEC, A FRENCH COMPANY, OF LA MOTTE SAINT EUVERTE, 45800 SAINT JEAN DE BRAYE, LOIRET, FRANCE.

Inventor : SALAH DJELOUAH.

Application for Patent No. 1273/Del/91 filed on Date 24-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

Solar lamp stand which comprises a box for containing the batteries, a housing traversing the post of the lamp, characterised by

— said box comprising a first part (8) having one or more comparatments (10, 11) for holding said batteries, a housing (9) for the post open laterally on the side of the box in order to enable it to be engaged around the post, and a second part constituting a cover member (14) connected to the box, said cover member (14) comprising a plate (15), and an extension (16) connected to the upper part of said plate (15) in order to close said one or more compartments (10, 11) and said lateral opening of the housing (9) to enclose said post.

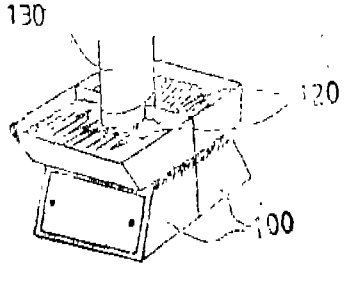


FIG 9

(Complete Specification : 10 Pages; Drawings : 3 Sheets)

Ind. Cl. : 128 A 181006

Int. Cl.[4] : A 61F 13/00, 13/18

AN ABSORBENT CORE FOR AN ABSORBENT ARTICLE.

Inventors :

(1) BARRY ROBERT FEIST, USA.

(2) JOYCE MARIE BENJAMIN, USA.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, USA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, USA.

Application for Patent No. 1276/Del/91 filed on date 26-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An absorbent core for an absorbent article comprising :

a multiple layer absorbent body having :

at least one acquisition/distribution layer having a low density web or batt of material with a fluid acquisition/distribution rate of at least 2 cubic centimeters of urine per second when said acquisition/distribution layer is under a pressure of 28 grams per square centimeter :

a storage layer positioned subjacent each said acquisition/distribution layer, wherein said storage layer consists of an absorbent gelling material as herein described capable of absorbing urine at a rate that said absorbent gelling material reaches from 10% to 100% of its absorptive capacity in less than or equal to 10 seconds;

a fluid transporting wrapping material having low density or high loft to permit passage urine from one layer to another surrounding said absorbent multiple layer absorbent body, said wrapping and said absorbent body forming a wrapped multiple layer absorbent body; and

an additional storage layer of airfelt positioned subjecent said wrapped multiple layer absorbent body.

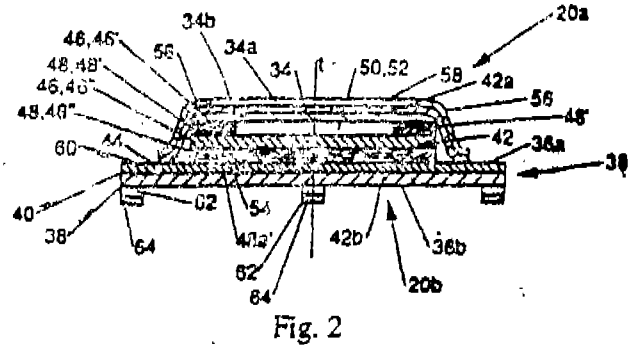


Fig. 2

(Complete Specification : 62 Pages; Drawings : 4 Sheets)

Ind. Cl. : 128 F 181007

Int. Cl.[4] : A 61 M 31/00, 38/00

A DEVICE FOR CONTAINING AND RELEASING A REGULATED AND SUSTAINED SUPPLY OF KNOWN PHARMACEUTICAL PREPARATION.

Applicant : JAGDISH CHAND MANGIA, AN INDIAN NATIONAL OF P-15 GREEN PARK EXTENSION, NEW DELHI-110016, INDIA.

Inventor : MANGLA JAGDISH CHAND.

Application for Patent No. : 11/Del/92 filed on date 6-1-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A device for containing and releasing a regulated and sustained supply of a known pharmaceutical preparation comprising a D Shaped member having a convex and a planar surface, magnetized beads adapted to coact with a calibrated and magnet provided outwardly, being embedded in to any one of said surfaces to displace said surface adapted to release said pharmaceutical when required by the user.

(Complete Specification : 8 Pages; Drawing : 1 Sheet)

Ind. Cl. : C 11 D 1/22 181008

Int. Cl.[4] : 170 A

A PROCESS FOR THE PRODUCTION OF LINEAR ALKYL BENSENES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors : SUBRAMANIAN SIVASANKER, PAUL RATNASAMY.

Appliaction for Patent No. : 23/Del/92 filed on date 10-1-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A process for the production of linear alkylbenzenes which comprises of contacting a mixture of benzene, linear olefins and molecular hydrogen with a zeolite catalyst containing a 0.005 to 5.0 wt% transition metal such as iron, cobalt, nickel, platinum, palladium, iridium or mixtures thereof, the zeolite being mordenite, beta, X, Y or ZSM-12 at a temperature in the range of 100 to 200°C, a pressure in the range of 1 to 10, and separating the linear alkylbenzenes from the reactor effluents by conventional method such as here in described.

(Complete Specification : 13 Pages; Drawing Sheet : Nil)

Ind. Cl. : 35 E 181009

Int. Cl.[1] : C 04 B 35/10

"A PROCESS FOR PRODUCING TROOGHS AND RUNNERS HAVING IMPROVED LINERS FOR USE IN BLAST FURNACES."

Applicant : STEEL AUTHORITY OF INDIA LTD., RESEARCH AND DEVELOPMENT CENTRE FOR IRON AND STEEL, A GOVT. OF INDIA UNDERTAKING, HAVING ITS REGISTERED OFFICE AT ISPAT BHAWAN, ROAD, NEW DELHI-110003, INDIA.

Inventor : ANUP KUAR BHATTACHARYA, INDIAN, SWAPAN KUMAR GARAI, INDIAN, TAPAS KUMAR PAL, INDIAN, PURIMETLA CHINTAIAH, INDIAN, SACHI DULAL MAJUMDAR, INDIAN.

Application for Patent No. : 1179/Del/91 filed on date 2-12-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A process for producing troughs and runners having improved liners for use in blast furnaces, characterised in that the said process comprises ramming of a composition (mass) (by weight %) : Al_2O_3 (bauxite) (of grain size 1 to 4 mm) -55 to 60, SiO_2 (bauxite) (of grain size 1 to 4 mm) — 3 to 4, SIC—10 to 15, pitch—3 to 5, graphite—2 to 4, resin—6 to 8, aluminium—1 to 2, silicon—1 to 2, plastic clay—5 to 10, microfine silica—5 to 6 and microfine alumina—10 to 12, on the exposed brickwall surface of said troughs and runners to a given thickness; and heating and setting the rammed composition (mass) with hot coke oven gases for a predetermined period.

(Complete Specification : 13 Pages; Drawing : 1 Sheet)

Ind. Cl. : 5 5 (E4) 181010

Int. Cl.[4] : A 61 K, 31/00

A COSMETIC COMPOSITION FOR ENHANCED SKIN PENETRATION.

Applicant : RICHARDSON-VICKS, INC., A COMPORATION ORGANIDED AND EXISTING UNDER THE LAWS OF DELAWARE, UNITED STATES OF AMERICA, OF ONE FAR MILL CROSSING SHELTON, STATE OF CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : GEORGE ENDEL DECKNER USA, BRAIN SCOTT LAMBARDO, USA.

Kind of Application : Complete.

Application for Patent No. : 1013/Del/92 filed on date 5-11-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A cosmetic composition having enhanced penetration through the skin comprising :

(a) a cosmetic agent of the kind herein described; and

(b) from 0.05% to 5% by weight percentage of the total weight of the composition of a non-ionic polyacrylamide having a molecular weight of from 1,000,000 to 30,000,000.

(Complete Specification : 12 Pages; Drawings Sheets : Nil)

Cl. : 32 F 3 C 181011

Int.Cl. : C 12 N 15/00
C 12 P 7/06

"PROCESS FOR PRODUCTION OF ALCOHOLIC LIQUORS USING AGGLUTINATIVE YEAST".

Applicant : SAPPORO BREWERIES LTD., OF 7-10-1, GINZA, CHUO-KU, TOKYO 104, JAPAN AND OY PANIMOLABORATORIO-BRYGGERILABORATORIUM AB, OF SF-02151, TIETOTIE 2, ESPOO, FINLAND.

Inventors :

1. JUNJI WATARI
2. YOSHIHIRO TAKADA
3. MASAYUKI OGAWA
4. MERJA PENTTILA
5. MAIYA-LEENA ONNELA
6. SIRKKA KERANEN

Application No. : 105/Cal/1994 filed on 18th February, 1994.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

8 Claims

A process for the production of alcoholic liquors by fermentation of materials, such as herein described, using agglutinative yeast, which is prepared by the steps of providing a gene library of the entire DNA of Saccharomyces cervisiae strain ABXL-1D using a yeast /E. coli shuttle vector plasmid, transforming, in the manner such as herein described, the said non-agglutinative yeast to obtain an agglutinative clone, and recovering plasmids from the transformed strain.

(Compl. Specn. : 59 pages; Drgns. : 18 sheets)

Cl. : 32 E 181012

Int. Cl. :C 08 G 59/00

"PROCESS FOR THE PREPARATION OF PHOSPHORUS MODIFIED, EPOXY RESIN".

Applicant : 1. HOECHST AKTIENGESELLSCHAFT, OF D-65926 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY, 2. SIEMENS AKTIENGESELLSCHAFT, D-80506 MUENCHEN, WITTELBACHERPLATZ 2, GERMANY.

Inventors :

1. DR. WOLFGANG GENTZKOW
2. JURGEN HUBER
3. DR. HEINRICH KAPITA
4. DR. WOLFGANG ROGLER
5. DR. HANS-JERG KLEINER

Application No. : 156/Cal/1994 filed on 11th March, 1994.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

13 Claims

A process for preparing the phosphorus-modified epoxy resin having an epoxy number from 0 to 1 mol/100g comprising of the steps of reacting polyepoxy compounds having atleast two epoxy groups per molecule and pyrophosphonic acids and/or phosphonic monoesters with one another in an inert diluent such as herein described or in the absence of diluent/solvent at a temperature from -20 to 130°C.

(Compl. Specn. : 18 pages; Drgns. : Nil)

Cl. : 63 B 181013

Int. Cl.[6] : H 02 K 1/28

"A PMDC ELECTRIC MOTOR".

Applicant : JOHNSON ELECTRIC S.A., OF 125 RUE DU PROGRES CH-2300 LA CHAUX-DE-FONDS SWITZERLAND.

Inventor : JAMES CHING-SIK LAU

Application No. : 229/Cal/1994 filed on 4th April, 1994.

(Convention No. : 9307671.9 on 14-4-93 & 9316744.3 on 12-8-93 in Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

8 Claims

A PMDC motor comprising :

a casing with an open end and a closed end and having a longitudinal axis which lies in a plane of symmetry;

an end cap which closes the open end of the casing and supports two brush assemblies;

permanent magnet means disposed within the casing symmetrically on opposite sides of the plane of symmetry, having at least two longitudinally extending free edges, and providing a magnetic field having an axis lying in a second plane which extends perpendicular to the plane of symmetry; and

first and second spacer means of different construction on opposite sides, respectively, of the second plane, for locating the permanent magnet means angularly within the casing, the first spacer means being different from the second spacer means;

characterised in that

the first spacer means is a rigid insert which extends, longitudinally between and engagement with the two free edges of the permanent magnet means and, transversely, across the plane of symmetry;

the insert is of ferromagnetic material and provides a magnetic shunt between the free edges of the permanent magnet means; and

the insert is located on the same side of the longitudinal axis as the second plane containing the axis of the magnetic field.

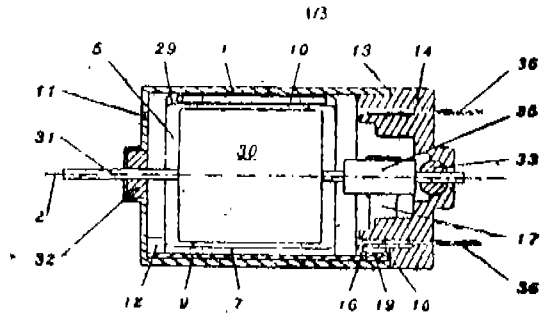


FIG. 1

(Compl. Specn. : 14 Pages; Drgns. : 3 Sheets)

Cl. : 47 B 181014

Int. Cl. : C 10 K 1/20

AN APPARATUS FOR PRODUCING PURIFIED HOT COAL-DERIVED GAS.

Applicant : WESTING HOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : RICHARD ALLEN NEWBY.

Application No. 256/Cal/1994 filed on 11th April, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office Calcutta.

16 Claims

An apparatus for producing purified hot coal-derived gas by removing sulfur and alkali comprising :

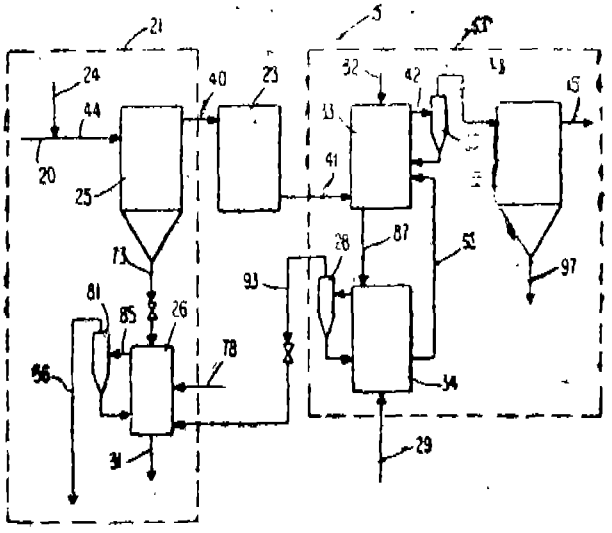
(a) first injector means (60) for injecting a first sulfur surbent (24) into contact with said gas (20) so as to entrain said first sorbent therein and convert said first sorbent into a first sulfur compound (73);

(b) primary filter removing means (25) connected to said injector means (60) to receive said gas (44) for removing from said gas (44) at least two portion of said entrained first sorbent and said first sulfur compound;

(c) polishing de-sulfurizer means (33) connected to alkali removal means (23) to receive said gas (41) from said removing means (23), for bringing a second sulfur sorbent (86) into contact with said gas so as to convert a portion of said second sulfur sorbent (86) into a second sulfur compound (87);

(d) regenerator means (34) connected to said polishing de-sulfurizer means (34) for regenerating said second sulfur compound (87) received from said means (34) so as to produce said regenerated sorbent (92) and a sulfurous gas (91); and

(e) a vessel (26) connected to primary filter removing means (25) to receive said first sorbent (24) and said first sulfur compound (73) removed by said removing means (25) and connected to said sorbent regenerating means (34) to receive said sulfurous gas produced in said sorbent regenerating means (34), said vessel (26) enclosing a bed of said first sorbent and said first sulfur compound fluidized by said sulfurous gas.



(Compl. Specn. : 20 Pages; Drgns. : 5 Sheets)

Cl. : 197 181015

Int. Cl.[6] : A 47 L 11/03

FLOOR MOPPING MACHINE.

Applicant : THE KIRBY COMPANY, OF 1920 WEST 114th STREET, CLEVELAND, OHIO 44102, UNITED STATES OF AMERICA.

Inventor : DWIPENDRA NATH GUHA.

Application No. 1007/Cal/1994 filed on 2nd December, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office Calcutta.

13 Claims

A floor mopping machine for automatic mopping of the floor comprising :

— a movable housing,

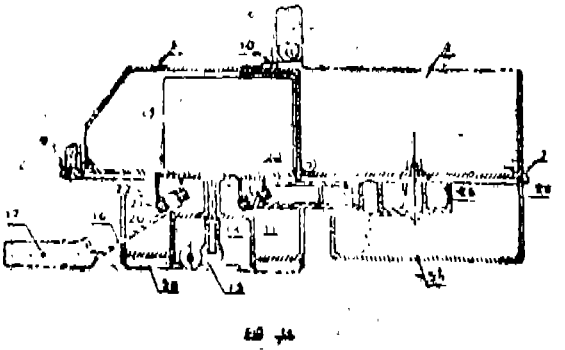
— a rotatable mopping means mounted in the said housing having a plurality of spongy mop pieces/members capable of soaking cleaning medium/liquid and releasing the same when pressed on the floor and/or wall to wall and wallfloor corners,

— means for rotating the said mopping means mounted on the said mopping means,

— means for storing and supplying the said cleaning medium/liquid to said spongy mop members,

— means for pressing the spongy mop members for releasing the dirty liquid held by the said sponge members after mopping, and

— means for collecting the dirty liquid released by the said spongy mop members in the said housing.



(Compl. Specn. : 10 Pages; Drgns. : 4 Sheets)

Cl. : 34 (D) 181016

Int. Cl.[6] : C 04 B 24/10.

"A STABLE LIQUID SUSPENSION OF A WATER-SOLUBLE POLYMER".

Applicant : PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors : (1) JOHN EDWARD HOSTETLER,
(2) MARSHALL D. BISHOP.

Application No. : 261/Cal/1991 filed on 4th April, 1991.

Appropriate Office for Opposition Prodings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

13 Claims

A stable liquid suspension of water soluble polymer which comprises :

(a) an oil which is diesel, kerosene heating oil, minral oil, pentane, decane, tetradecane, hexadecane, dodecane, mixed C_{13}-C_{14} isoparaffins, C_{14} isoparaffins, C_{16} isoparaffins, soyabean oil or corn oil, wherein said oil is present in the range of from 40 weight percent to 95 weight percent;

(b) an oil soluble resin which is a styrene-isoprene copolymer, a hydrogenated styrene-isoprene block copolymer, a styrene ethylene/propylene block copolymer, a styrene isobutylene copolymer, a styrene butadiene copolymer, polybutylene, polystyrene, or a polyethylene-propylene copolymer, wherein said oil soluble resin is present in the range of from 0.2 weight percent to 10 weight percent ; and

(c) a water soluble polymer which is a cellulose ether, an acrylic polymer or a xanthan gum biopolymer, wherein said water soluble polymer is percentir the range of from 3 weight percent to 60 weight percent and wherein the total of all weight percentages equals 100 weight percent.

(Compl. Specns : 11 pages; Drgns. : Nil)

Ind. Cl. : 68E 3 181017

Int. Cl.[4] : H 05 B 41/29.

"CIRCUIT ARRANGEMENT FOR RADIO-FREQUENCY OPERATION OF ONE OR MORE LOADS CONNECTED TO ONE ANOTHER IN PARALLEL".

Applicant : PATENT-TREUHAND-GESELLSCHAFT F. ELEKTRISCHE GLUEHLAMPEN MBH, OF HELLABRUNNER STR. 1, 81543 MUENCHEN, GERMANY.

Inventor : LUDWIG REISER.

Application No. : 792/Cal/1993 filed on 17th December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

Circuit arrangement for radio-frequency operation of one or more loads (18) connected to one another in parallel having

— an interference suppressor filter (10),

— a rectfier (12) connected to the interference suppressor filter (10),

— a diode/capacitor network connected to said rectifier, and

— an RF invertor (16) to whose output the load or loads (18) are connected,

characterized in that the diode/capacitor network is a diode/capacitor filter network (14; 24) connected in such a way that its filter capacitors (C1 to C4 ; C1 to C6) are charged or discharged via a diode/resistor network (D1 to D5, Z1, Z2; D1 to D7; Z1 to Z3) the filter capacitors being connected serially during recharging and being connected combined in a parallel-serial fashion during discharging.

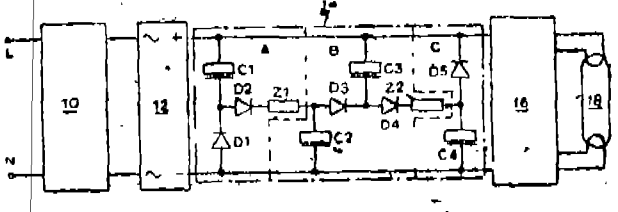


Fig. 1

(Compl. Specns. : 16 pages; Drgns. : 4 Sheets)

Ind. Cl. : 206 E 181018

Int. Cl. : H 04 N 1/41.

"VIDEO SIGNAL COMPRESSION APPARATUS".

Applicant : RCA THOMSON LICENSING CORPORATION, OF TWO INDEPENDENCE WAY, PRINCETON, NEW JERSEY, 08540, UNITED STATES OF AMERICA.

Inventors : (1) SCOTT DAVID CASAVANT,
(2) TRISTAN SAVATIER.

Application No. : 583/Cal/1993 filed on 4th October, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

Video signal compression apparatus comprising :

a source (10) of video signal including even and odd fields ;

means (21) for combining said even and odd fields into output frames of video signal ;

threshold detector and resequencer (20, 21) as herein described of codewords DT/DF indicative of weather or not a field has been excised and indicative of the temporal order of fields of respective output frames ;

means (25) for compressing said output frames ; and

means (26) for combining compressed frames of video signal and said codewords DT/DF corresponding to respective compressed frames, for transmission.

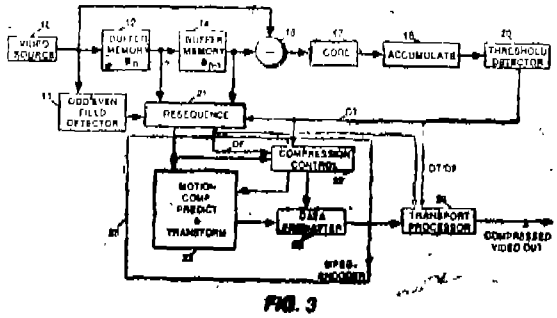


FIG. 3

(Compl. Specns. : 13 pages; Drgns. : 5 Sheets)

Ind. Cl. : 39 (U) 181019
56 (B)

Int. Cl. : B 01 J 13/02.
C 10 G 11/18, 11/05.

"A SPRAY DRYING PROCESS FOR MANUFACTURING MICROSPHERES USEFUL IN FLUID CRACKING OF VANDIUM CONTAINING OIL FEEDSTOCK".

Applicant : ENGELHARD CORPORATION, OF 101 WOOD AVENUE, ISELIN, NEW JERSEY 08830, UNITED STATES OF AMERICA.

Inventors : (1) MICHEL DEEBA,
(2) JOHN M. MACAOAY,
(3) PAUL R. SUITCH,
(4) ROLAND VON BALLMOOS.

Application No. : 735/Cal/1993 filed on 30th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

A spray drying process for manufacturing microspheres useful in fluid cracking of vanadium containing oil feedstock with separate fluidable microspheres containing a zeolitic cracking component, said process comprising mixing kaolin clay, magnesium oxide or magnesium hydroxide, and sodium silicate with water to form a first slurry, aging said slurry at ambient temperature and pressure to react a portion of the magnesium oxide or hydroxide with silica to form a magnesium silicate, optionally adding colloidal silica, kaolin clay or a combinatioin thereof, to form a second slurry, spray drying said slurry to form microspheres comprising magnesium oxide, kaolin/clay and in situ formed magnesium silicate, and calcining said microspheres for a time and temperature sufficient to dehydrate the kaolin clay but insufficient to form a significant amount of crystalline magnesium silicates or aluminates, wherein said calcined microspheres contain from 2 to 40% by weight Mgo.

(Compl. Specns. : 37 pages; Drgns. : Nil)

Ind. Cl. : 50 D 181020

Int. Cl. : F 25.D 9/00.

AN IMPROVED APPARATUS FOR COOLING A HEATED FLUID.

Applicant : ORMAT INDUSTRIES LTD., OF P.O. BOX 68, YAVNE 70650, ISRAEL.

Inventors :

1. LUCIEN Y. BRONICKI
2. JOSEPH SINIA
3. NADAV AMIR.

Application No. 73/Cal/1994 filed on 7th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

14 Claims

An improved apparatus for cooling a heated fluid comprising a heat exchanger (11 or 43 or 209 or 517) adapted to receive said heated fluid and liquid coolant for cooling the heated fluid to produce cooled fluid, and for vaporizing the liquid coolant; a secondary turbine (12 or 47 or 47A or 211 or 519) having an output shaft (19) for expanding said vaporized coolant and producing expanded vaporized coolant and rotating said shaft (19); a condenser (13 or 50 or 207 or 523) for receiving said expanded coolant; a fan (18) for cooling said condenser (13 or 43) which converts said expanded coolant to coolant condensate and means (21 or 51 or 51A or 522) for returning the coolant condensate to said heat exchanger (11 or 43) characterized in that a connection between said shaft (19) and fan (18) is responsive to rotation of said fan (18) for driving said shaft.

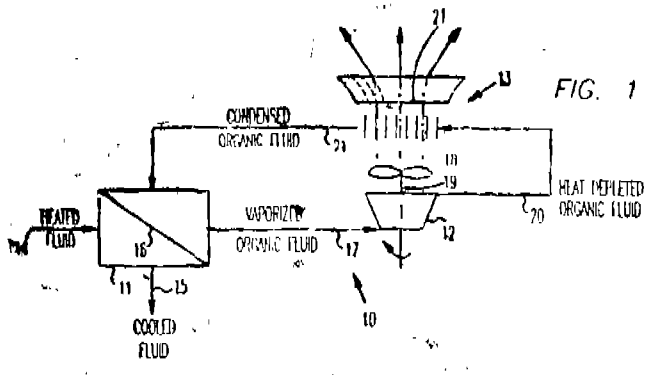


FIG. 1

(Comp. Specn. : 27 Pages; Drgns. : 9 Sheets)

AMENDMENTS PROCEEDINGS UNDER SECTION-57

Notice is hereby given that VERTRAN MANUFACTURING COMPANY HAS/HAVE MADE AN APPLICATION on Form-29 under section 57 of The Patents Act, 1970 for amendment of specification of their application for Patent No. 920/Del/88 (174215) for "A DEVICE FOR SUSPENDING AND GUIDING A HORIZONTALLY SLIDING DOOR PANEL. The amendments are by way of change of name from VERTRAN MANUFACTURING COMPANY TO RIBAUDO VERTICAL SYSTEMS COMPANY. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested opposing the application for amendment may file a notice of opposition in Form 30 within three months from the date of this notification at Patent Office Branch, Unit No. 401-405 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

DESIGN ASSIGNMENT

SECTION-63

The following entries have been made in the Registered Design in respect of assignment proceedings of the above act for change of name of Regd. proprietor. The design number, class and new name of the Regd. Proprietor quoted as follows :

Design No. 167026, Class 1, Assignor—Singer Company N.V. Kaya W.F.S. (Jombi), Mensing 14, Curacao, Netherlands Antilles.

THE DESIGNS ACT, 1911

CANCELLATION OF REGISTRATION OF REGD. DESIGN

SECTION-51A

Applications for cancellation to the registration of Regd. Design Nos. 161422, 161103 and 161513 filed by Walt Disney Co. on 16-7-1990, have been dismissed without awarding any cost to either party by the Order dater 2nd March, 1998 passed by the Jt. Controller of Patents & Designs.

RENEWAL FEES PAID

175954 176195 172296 168573 171155 173478 177648 167554
177887 169896 167353 164695 173546 169731 162486 168086
168153 169834 168221 166061 168550 171806 172514 172515
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PATENT SEALED ON 12-03-98

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CAL - 19, DEL - 06, MUM - 03, CHEN - 09.

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act., 1970 from the date of expiration of three years from the date of sealing.

D—DRUG PATENTS

F—FOOD PATENTS

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class1. Nos. 174527 & 174528, Caradon MK Electric Ltd., of Caradon House, 24 Queens Road, Weybridge, Surrey KT13 9UX, England a British Company, "A SET ELECTRICAL ACCESSORY MOUNTINGS", 13th August 1997.

Class 3. Nos. 174526, Caradon MK Electric Ltd., of Caradon House, 24 Queens Road, Weybridge, Surrey KT13 9UX, England, a British Company, "A SET OF ELECTRICAL ACCESSORY MOUNTINGS", 13th August, 1997.

Class 3. Nos. 174023, 174024 & 174026, BP OIL INTERNATIONAL LTD., a British company of Britannic House, 1, Finsburry Circus, London EC2M 7BA, England, "CONTAINER WITH CLOSURE", 11th December 1996 (Reciprocity date).

Class 3. Nos. 174534 & 174535, M.H. Products, D-1, Bajson Industrial Estate, 40, Cardinal Gracious Rd. Chakala, Andheri(E), Mumbai-400099, India, a regd. partnership concern, "PEN", 14th August 1997.

Class 3. No. 174906, NIPA International Pvt. Ltd., at 412, Udyog Vihar, Phase III, Gurgaon, Haryana, India, "TELEPHONE PLUG", 28th October 1997.

Class 3. Nos. 174908 to 174912, 174914 & 174915, NIPA International Pvt. Ltd., at 412, Udyog Vihar, Phase III, Gurgaon, Haryana, India, "ELECTRICAL SWITCH MODULAR PLATE", 28th October 1997.

Class 3. Nos. 174598, 174599 & 174601, Pradeepkumar Nandlal Dhoot, an Indian national of Gangapurwala, 2275 Adat Bazar, Ahmednagar-414001, Maharashtra, India, "COOLER", 29th August 1997.

Class 3. Nos. 174549 & 174550, We, Braun Aktiengesellschaft, A German company of Frankfurt (Main), Bundesrepublik Deutschland, Germany, "FOOD PROCESSOR", 18th August 1997.

Class 3. Nos. 174423 & 174424, L.V. Sham Cottage Industries, 2292/2, Inside Gate Hakiman, Amritsar-143001, Punjab, India, an Indian partnership concern, "TORCH", 30th July 1997.

Class 3. Nos. 174491 & 174492, M/s. Ankit Plastics (India), a regd. Indian partnership firm having office at 120, Sonal Industrial Estate, Ramchandra Extension (Lane), Kachpada, Malad (W), Mumbai-400064, Maharashtra, India, 'HANGER", 8th August 1997.

Class 3. No. 174286, The Procter & Gamble Company, a corporation organised under the laws of the State of Ohio, U.S.A. of One Procter & Gamble Plaza, Cincinnati, State of Ohio U.S.A., "CONTAINER", 15th July 1997.

Class 3. No. 174487, Sonu Pencil Company, a regd. partnership firm at Barar House, 239, Abdul Rehman Street, Mumbai-400003, Maharashtra, India, "PENCIL", 8th August 1997.

Class 5. No. 174488, Sonu Pencil Company, a regd. partnership firm at Barar House, 239, Abdul Rehman Street, Mumbai-400003, Maharashtra, India, "BOX", 8th August 1997.

Class 8. Nos. 175141 to 175148, SHED, OF 96 Manu Apartments, Mayur Vihar Phase I, Delhi, an Indian firm, "BATHROOM MAT", 2nd December 1997.

Class 10. No. 174624, Mahinder Pupneja and Ravinder Pupneja, Indian nationals, trading under the name and style of M/s. Ganesh Industries, Indian company, 27/5C Phool Bagh, Rohtak Road, Delhi-110035, India, "FOOTWEAR", 1st September 1997.

Class 10. No. 174630, Mahinder Pupneja and Ravinder Pupneja Indian nationals, trading under the name and style of M/s. Ganesh Industries, Indian company, 27/5C Phool Bagh, Rohtak Road, Delhi-110 035, India, "FOOTWEAR", 2nd September 1997.

Class 13. Nos. 175256, 175257, 175259, 175261 & 175266, Y & S Holdings, of 18 N-Block Market, Greater Kailash Part I, New Delhi-110048, an Indian company, "WOVEN DESIGN ON A FABRIC" 10th December 1997.

Class 14. No. 174583, The Procter & Gamble Company, a corporation organized under the laws of the state of Ohio, U.S.A. of One Procter & Gamble Plaza, Cincinnati, State of Ohio, U.S.A. "INTERLABIAL ABSORBENT DEVICE", 28th August 1997.

T. R. SUBRAMANIAN
Controller General of Patents,
Designs & Trade Marks.

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1998
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